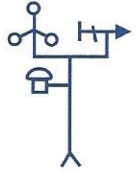




# TECHNICAL ENVIRONMENTAL SERVICES, LLC



August 13, 2020

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 2020. All the instrumentation functioned normally during July. Data recovery for all the parameters was near 100%. July had a precipitation total of 3.06 inches.

Attached is a wind rose for the month of July 2020 and a table showing the data collection percentage for each parameter in 2020.

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

Best regards,

Mark Abrams  
President - TES

Run Date: 6/13/2020 9:36:37 AM

### WIND ROSE

(WINDS FROM)



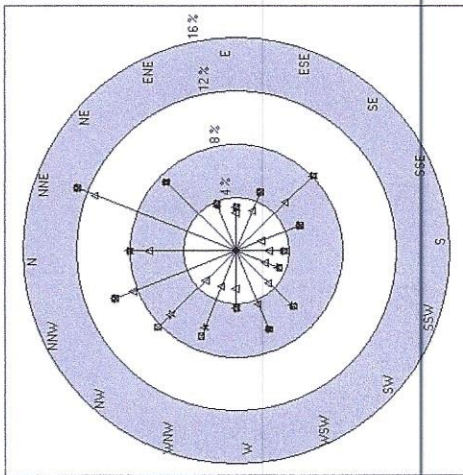
0.00% PERCENT CALMS  
(NOT INCLUDED IN PLOT)

Start Date: 7/1/2020 00:00

End Date: 7/31/2020 23:00

Sensors Selected

3M\_LWS  
3M\_LWD



#### Legend

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

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)	
7/1/20 0:00	2.4	47.0	011	4.49	73.2	72.03	74.20	73.52	0.00	13.07
7/1/20 1:00	1.9	68.1	029	4.76	71.2	70.54	72.05	81.1	0.00	13.02
7/1/20 2:00	1.8	66.4	027	5.08	70.0	69.64	70.57	86.9	0.00	12.98
7/1/20 3:00	4.9	0.4	039	16.95	69.4	67.58	70.97	89.5	0.22	12.96
7/1/20 4:00	2.4	44.0	032	6.87	67.6	67.45	67.70	96.7	0.00	12.95
7/1/20 5:00	0.6	348.3	053	3.02	67.3	66.70	67.58	97.9	0.00	12.93
7/1/20 6:00	1.4	47.0	047	3.30	66.5	66.12	66.77	99.3	0.00	12.92
7/1/20 7:00	0.6	17.8	029	2.70	66.6	66.12	67.14	99.1	0.00	12.94
7/1/20 8:00	1.4	344.6	029	4.17	69.1	67.15	71.06	94.5	0.00	13.45
7/1/20 9:00	1.7	22.3	034	5.18	72.7	71.07	74.51	86.1	0.00	13.64
7/1/20 10:00	2.5	40.3	043	6.09	75.2	73.78	76.59	78.73	0.00	13.58
7/1/20 11:00	2.9	31.8	045	7.47	77.2	76.08	78.36	74.14	0.00	13.55
7/1/20 12:00	2.9	19.2	046	7.83	78.4	76.70	79.31	70.37	0.00	13.52
7/1/20 13:00	3.4	10.4	045	9.07	80.2	78.52	81.20	65.94	0.00	13.49
7/1/20 14:00	3.6	352.6	046	8.61	81.1	79.77	82.40	62.43	0.00	13.49
7/1/20 15:00	4.4	349.4	037	12.92	82.3	80.60	83.60	57.43	0.00	13.49
7/1/20 16:00	3.9	6.9	040	9.98	81.3	79.58	84.20	60.41	0.00	13.49
7/1/20 17:00	3.4	33.7	035	10.08	82.7	79.64	83.70	58.82	0.00	13.46
7/1/20 18:00	2.8	16.6	035	8.89	82.6	80.70	83.70	57.23	0.00	13.46
7/1/20 19:00	1.6	20.8	036	4.81	82.2	80.50	84.20	57.85	0.00	13.46
7/1/20 20:00	1.2	29.2	059	5.18	81.7	79.62	83.40	61.9	0.00	13.47
7/1/20 21:00	1.3	40.1	025	3.21	78.3	76.18	80.10	67.28	0.00	13.35
7/1/20 22:00	2.0	5.7	019	3.16	75.9	74.72	76.65	68.52	0.00	13.24
7/1/20 23:00	1.4	54.7	033	2.98	73.6	71.37	76.00	74.97	0.00	13.15
7/2/20 0:00	1.9	19.7	032	4.21	71.0	69.04	73.09	82	0.00	13.08
7/2/20 1:00	1.8	19.9	019	4.08	69.6	67.57	70.60	85.5	0.00	13.03
7/2/20 2:00	1.2	49.3	029	2.52	67.6	67.00	68.07	92.9	0.00	12.98
7/2/20 3:00	0.9	30.0	013	3.85	66.2	65.72	66.99	95.8	0.00	12.96
7/2/20 4:00	1.4	19.7	015	3.62	66.8	66.09	67.61	91.5	0.00	12.94
7/2/20 5:00	1.4	21.5	020	2.98	66.9	65.92	67.80	89.5	0.00	12.93
7/2/20 6:00	1.5	352.2	023	3.85	66.5	65.53	68.13	89.4	0.00	12.92
7/2/20 7:00	2.4	348.4	024	4.95	68.2	67.35	68.78	84.1	0.00	12.95
7/2/20 8:00	3.1	334.8	014	6.09	71.1	68.81	73.33	78.41	0.00	13.63
7/2/20 9:00	3.5	2.1	031	8.93	75.3	73.32	77.03	69.57	0.00	13.61
7/2/20 10:00	4.1	5.9	035	10.03	77.8	76.70	79.19	63.69	0.00	13.58
7/2/20 11:00	4.3	10.0	035	11.40	79.7	78.77	80.50	59.8	0.00	13.53
7/2/20 12:00	4.1	13.1	039	12.41	81.0	79.84	82.60	60.6	0.00	13.5
7/2/20 13:00	3.5	23.5	037	8.79	82.4	80.30	83.40	56.76	0.00	13.49
7/2/20 14:00	4.2	17.5	035	13.14	84.0	83.00	85.20	53.61	0.00	13.47
7/2/20 15:00	4.3	12.9	045	10.12	85.2	84.40	86.10	49.59	0.00	13.46
7/2/20 16:00	3.1	32.6	048	8.24	86.5	85.30	87.50	48.48	0.00	13.44

7/2/20 17:00	3.2	11.1	044	8.43	86.6	85.50	87.30	48.88	0.00	13.43
7/2/20 18:00	2.4	26.0	048	6.64	87.3	85.50	88.00	49.16	0.00	13.43
7/2/20 19:00	2.6	354.8	024	6.18	87.1	86.80	87.60	48.23	0.00	13.43
7/2/20 20:00	3.1	335.6	012	7.33	85.8	83.70	86.80	49.46	0.00	13.43
7/2/20 21:00	3.2	333.0	010	6.09	83.2	80.70	84.20	53.76	0.00	13.33
7/2/20 22:00	2.3	332.5	018	4.53	80.8	80.10	81.40	59.14	0.00	13.21
7/2/20 23:00	0.8	333.3	007	4.35	77.7	75.74	80.70	68.01	0.00	13.12
7/3/20 0:00	0.3	332.8	014	1.10	75.7	74.96	76.40	72.38	0.00	13.06
7/3/20 1:00	2.4	332.5	011	4.86	75.6	74.53	76.48	71.83	0.00	13.01
7/3/20 2:00	3.2	324.6	006	5.50	75.5	75.12	75.99	69.8	0.00	12.97
7/3/20 3:00	3.0	324.7	007	5.77	74.6	74.24	75.56	70.61	0.00	12.96
7/3/20 4:00	2.8	333.8	010	4.44	74.5	73.89	74.98	69.62	0.00	12.94
7/3/20 5:00	3.5	335.0	008	5.27	73.4	72.68	74.11	72.37	0.00	12.93
7/3/20 6:00	2.3	348.2	017	4.12	73.1	72.62	73.65	71.15	0.00	12.92
7/3/20 7:00	1.8	337.2	016	3.80	72.8	71.57	73.88	71.11	0.00	12.96
7/3/20 8:00	3.4	331.2	013	8.38	75.4	73.87	77.19	68.22	0.00	13.6
7/3/20 9:00	4.8	325.3	014	8.75	79.2	77.21	81.20	62.51	0.00	13.58
7/3/20 10:00	4.0	316.2	020	8.70	82.2	81.00	83.60	59.23	0.00	13.52
7/3/20 11:00	3.6	338.6	027	11.77	84.7	83.60	86.20	55.66	0.00	13.47
7/3/20 12:00	3.4	339.1	037	9.02	86.9	85.80	88.30	52.4	0.00	13.44
7/3/20 13:00	3.3	333.3	053	10.03	88.6	87.60	89.40	49.27	0.00	13.41
7/3/20 14:00	4.3	355.0	044	11.22	89.5	88.90	90.00	45.47	0.00	13.41
7/3/20 15:00	4.7	320.3	043	10.81	90.1	88.80	91.00	46.35	0.00	13.41
7/3/20 16:00	3.4	329.1	038	10.35	90.5	89.30	91.90	47.56	0.00	13.4
7/3/20 17:00	5.4	292.2	036	11.13	90.7	90.10	91.50	46.89	0.00	13.4
7/3/20 18:00	6.1	298.5	022	11.82	90.6	90.20	91.20	46.56	0.00	13.4
7/3/20 19:00	5.4	298.0	023	10.53	89.9	89.20	90.40	46.17	0.00	13.4
7/3/20 20:00	3.0	277.8	020	6.69	88.6	87.30	89.40	48.73	0.00	13.41
7/3/20 21:00	2.4	302.6	013	5.77	85.7	84.40	87.30	54.16	0.00	13.31
7/3/20 22:00	3.4	321.9	007	5.27	84.5	83.70	85.30	56.03	0.00	13.18
7/3/20 23:00	3.1	326.8	011	9.76	82.7	81.90	83.70	60.68	0.00	13.1
7/4/20 0:00	1.3	15.3	036	11.13	80.2	79.12	82.50	65.28	0.00	13.04
7/4/20 1:00	1.2	0.3	027	2.79	78.1	77.30	79.12	69.63	0.00	12.99
7/4/20 2:00	2.3	338.5	016	4.12	77.2	75.84	78.05	71.19	0.00	12.97
7/4/20 3:00	3.3	338.1	009	4.58	76.8	76.07	77.60	72.04	0.00	12.96
7/4/20 4:00	2.5	347.5	018	4.49	76.1	74.73	76.76	72.67	0.00	12.95
7/4/20 5:00	0.2	342.5	028	1.65	73.6	72.38	74.72	79.46	0.00	12.94
7/4/20 6:00	0.9	27.1	031	2.43	72.5	70.90	73.70	81	0.00	12.93
7/4/20 7:00	0.6	1.2	021	2.70	72.9	70.77	74.57	81.7	0.00	12.96
7/4/20 8:00	1.6	29.8	032	6.87	76.4	74.59	78.00	77.56	0.00	13.5
7/4/20 9:00	3.1	35.3	030	7.88	79.2	77.96	80.30	72.76	0.00	13.58
7/4/20 10:00	3.0	24.1	032	7.01	81.1	79.84	82.40	69.09	0.00	13.52

7/4/20 11:00	3.2	38.4	045	9.02	83.3	82.20	85.10	64.16	0.00	13.49
7/4/20 12:00	3.1	39.3	053	8.79	84.9	83.80	86.50	59.47	0.00	13.46
7/4/20 13:00	3.0	22.3	062	7.60	86.3	85.30	87.30	54.72	0.00	13.43
7/4/20 14:00	2.7	24.3	065	7.28	87.8	86.40	89.10	52.08	0.00	13.41
7/4/20 15:00	3.5	14.0	050	10.99	88.8	87.50	89.50	48.19	0.00	13.4
7/4/20 16:00	2.7	24.6	045	8.98	89.7	88.70	90.60	46.53	0.00	13.38
7/4/20 17:00	3.7	78.4	060	15.21	89.0	84.90	91.60	51.17	0.00	13.38
7/4/20 18:00	4.8	126.2	022	10.85	85.2	84.50	85.70	61.16	0.00	13.38
7/4/20 19:00	2.9	119.6	025	6.46	84.8	83.20	85.70	61.19	0.00	13.38
7/4/20 20:00	2.2	117.8	016	4.72	82.5	81.80	83.30	68.27	0.00	13.42
7/4/20 21:00	1.9	132.5	020	4.53	80.9	80.20	81.90	72.3	0.00	13.33
7/4/20 22:00	1.7	142.7	018	4.08	80.0	79.67	80.40	71.31	0.00	13.2
7/4/20 23:00	1.5	137.7	016	3.57	79.6	78.50	80.30	69.8	0.00	13.11
7/5/20 0:00	0.9	74.0	041	2.70	77.8	76.87	78.60	73.29	0.00	13.05
7/5/20 1:00	0.7	53.2	026	3.62	76.3	75.29	77.27	78.38	0.00	13
7/5/20 2:00	1.1	66.7	037	3.48	75.3	74.57	76.68	81.8	0.00	12.97
7/5/20 3:00	1.6	85.0	055	3.66	75.2	74.62	76.22	82.5	0.00	12.95
7/5/20 4:00	1.5	130.9	036	3.53	74.4	73.66	74.87	86	0.00	12.95
7/5/20 5:00	2.0	155.6	040	6.82	74.6	73.83	74.88	89.6	0.00	12.94
7/5/20 6:00	2.6	190.9	026	6.78	74.6	74.44	74.83	93.5	0.00	12.93
7/5/20 7:00	1.9	188.1	033	5.77	74.8	74.51	75.41	94.2	0.00	12.94
7/5/20 8:00	2.4	211.1	027	8.02	76.3	75.40	78.13	90.4	0.00	13.59
7/5/20 9:00	4.2	229.8	026	10.08	77.8	77.51	78.52	85.7	0.00	13.58
7/5/20 10:00	4.2	227.4	043	8.98	79.7	77.73	81.30	80.9	0.00	13.53
7/5/20 11:00	3.4	270.2	037	8.34	82.1	80.90	83.10	76.31	0.00	13.49
7/5/20 12:00	2.8	240.4	045	7.97	84.0	82.70	85.80	71.69	0.00	13.49
7/5/20 13:00	2.1	228.4	066	6.28	86.3	84.30	88.60	66.83	0.00	13.44
7/5/20 14:00	2.1	156.0	077	7.74	88.5	87.20	90.00	61.57	0.00	13.41
7/5/20 15:00	2.9	133.4	045	9.80	89.3	87.60	91.50	57.42	0.00	13.4
7/5/20 16:00	2.8	125.5	069	6.92	90.3	88.50	92.30	55.41	0.00	13.38
7/5/20 17:00	3.1	99.0	030	7.19	90.0	88.00	92.20	57.53	0.00	13.38
7/5/20 18:00	4.4	143.4	036	15.62	87.0	85.10	88.00	62.75	0.00	13.38
7/5/20 19:00	4.0	210.0	044	12.32	80.1	77.44	85.00	75.69	0.01	13.4
7/5/20 20:00	1.7	96.8	089	3.99	77.4	76.51	78.67	85.1	0.00	13.51
7/5/20 21:00	0.8	163.7	031	4.90	76.8	76.06	77.57	81.1	0.00	13.39
7/5/20 22:00	1.9	88.9	066	4.49	75.1	73.47	76.95	80.9	0.00	13.26
7/5/20 23:00	0.6	7.7	045	2.34	72.5	71.77	73.47	90.7	0.00	13.16
7/6/20 0:00	0.9	74.0	024	3.02	74.4	73.00	75.52	85.2	0.00	13.09
7/6/20 1:00	0.7	143.9	038	2.98	74.4	73.20	75.24	87.5	0.00	13.03
7/6/20 2:00	0.4	167.4	043	3.48	75.5	74.71	76.13	89	0.00	12.98
7/6/20 3:00	1.1	90.6	053	3.62	74.3	73.47	75.10	93.9	0.00	12.96
7/6/20 4:00	1.4	72.7	053	3.57	72.4	71.22	73.85	97.7	0.00	12.95

7/6/20 5:00	1.5	106.5	050	2.89	73.7	72.49	74.18	96.3	0.00	12.94
7/6/20 6:00	0.8	276.9	059	3.02	73.9	73.12	74.66	95.4	0.00	12.93
7/6/20 7:00	1.2	317.7	037	3.02	74.1	73.50	75.02	95.5	0.00	12.95
7/6/20 8:00	1.4	215.9	066	4.03	75.4	74.92	75.86	89	0.00	13.49
7/6/20 9:00	1.6	250.1	047	4.90	76.4	75.56	77.05	84.7	0.00	13.63
7/6/20 10:00	2.2	235.8	049	6.50	78.8	77.06	80.70	77.63	0.00	13.56
7/6/20 11:00	3.3	202.4	034	8.70	81.9	80.30	83.20	72.52	0.00	13.5
7/6/20 12:00	3.5	193.9	039	8.34	84.7	82.90	86.30	67.47	0.00	13.47
7/6/20 13:00	3.6	203.9	038	9.66	87.5	85.90	88.40	62.55	0.00	13.44
7/6/20 14:00	4.0	218.6	047	10.26	89.1	87.90	90.20	58.15	0.00	13.41
7/6/20 15:00	4.7	228.0	044	11.54	90.7	89.90	91.60	53.92	0.00	13.41
7/6/20 16:00	5.4	246.6	039	12.64	91.8	90.00	92.60	51.77	0.00	13.38
7/6/20 17:00	5.4	256.8	029	12.46	91.4	89.70	92.50	52.92	0.00	13.38
7/6/20 18:00	6.0	246.1	027	16.81	89.2	85.50	92.40	57.62	0.00	13.38
7/6/20 19:00	7.9	197.6	029	27.53	80.4	75.14	85.40	65.13	0.03	13.38
7/6/20 20:00	6.6	158.2	027	15.71	73.7	73.10	75.12	87.1	0.00	13.42
7/6/20 21:00	3.0	124.3	055	11.91	72.3	71.81	73.10	91.6	0.00	13.45
7/6/20 22:00	5.4	97.0	022	12.60	72.0	71.75	72.29	90.7	0.00	13.31
7/6/20 23:00	6.6	103.0	022	14.56	71.6	71.45	71.99	91.5	0.00	13.2
7/7/20 0:00	6.4	114.3	021	14.06	70.8	70.38	71.55	92.1	0.00	13.12
7/7/20 1:00	5.6	128.9	025	11.77	70.2	70.03	70.44	91.8	0.00	13.05
7/7/20 2:00	4.7	153.3	036	13.79	70.2	70.08	70.44	93.9	0.00	13
7/7/20 3:00	3.9	218.2	038	8.06	70.3	70.05	70.59	95.7	0.00	12.97
7/7/20 4:00	4.5	231.8	036	12.00	70.3	69.99	70.60	96.8	0.00	12.95
7/7/20 5:00	1.7	216.1	077	6.78	69.9	69.62	70.34	93.3	0.00	12.94
7/7/20 6:00	2.0	12.8	054	5.59	69.0	68.59	69.62	96.3	0.00	12.94
7/7/20 7:00	1.4	28.4	024	3.39	69.6	68.85	70.78	96.7	0.00	12.95
7/7/20 8:00	2.2	85.5	025	4.95	72.1	70.76	72.90	91.8	0.00	13.59
7/7/20 9:00	2.4	101.0	025	6.00	72.9	72.55	73.15	90.1	0.00	13.64
7/7/20 10:00	2.8	116.3	025	6.09	73.3	72.98	74.17	89	0.00	13.64
7/7/20 11:00	2.6	117.4	029	5.45	75.2	74.16	76.14	84.1	0.00	13.59
7/7/20 12:00	2.1	113.8	055	5.31	77.3	75.83	78.93	79.62	0.00	13.55
7/7/20 13:00	2.6	130.2	043	6.09	78.7	78.07	79.81	77.59	0.00	13.55
7/7/20 14:00	2.9	130.1	062	8.75	81.9	79.81	83.30	71.84	0.00	13.47
7/7/20 15:00	3.0	127.7	035	6.92	83.2	82.20	84.30	69.13	0.00	13.46
7/7/20 16:00	3.2	128.8	042	6.69	84.7	83.40	86.00	66.71	0.00	13.45
7/7/20 17:00	3.4	150.1	036	7.51	85.8	84.60	87.10	63.92	0.00	13.44
7/7/20 18:00	3.0	161.7	034	9.07	86.3	85.40	87.00	62.66	0.00	13.43
7/7/20 19:00	4.8	128.5	031	17.72	84.6	75.98	86.70	70.67	0.17	13.43
7/7/20 20:00	5.4	111.4	082	23.17	73.1	71.70	75.90	91.4	0.95	13.46
7/7/20 21:00	1.2	55.7	052	3.02	72.2	72.08	72.41	98.5	0.00	13.42
7/7/20 22:00	1.8	72.8	025	4.40	72.5	72.10	73.09	98.1	0.00	13.29

7/7/20 23:00	1.5	82.3	028	4.08	73.3	72.64	73.88	97.5	0.00	13.19
7/8/20 0:00	2.4	123.2	026	4.81	73.9	73.62	74.17	97.3	0.00	13.11
7/8/20 1:00	1.8	140.5	016	4.49	74.0	73.87	74.10	98	0.00	13.05
7/8/20 2:00	1.9	134.0	018	4.12	74.1	73.88	74.24	98	0.00	13
7/8/20 3:00	1.4	110.5	019	2.98	73.7	73.37	74.14	98.1	0.00	12.97
7/8/20 4:00	1.3	120.2	014	2.89	73.4	73.14	73.75	98.8	0.00	12.95
7/8/20 5:00	1.2	113.4	016	2.79	73.0	72.71	73.22	99.5	0.00	12.94
7/8/20 6:00	0.7	100.0	020	2.43	72.5	72.06	72.83	99.8	0.01	12.93
7/8/20 7:00	0.8	62.2	027	2.47	71.9	71.55	72.45	99.9	0.00	12.95
7/8/20 8:00	1.0	131.3	014	4.26	75.1	72.42	76.48	95.5	0.00	13.6
7/8/20 9:00	2.2	118.2	027	4.76	77.5	75.96	79.30	91	0.00	13.58
7/8/20 10:00	2.4	97.3	037	5.50	80.2	79.35	81.10	83.8	0.00	13.52
7/8/20 11:00	2.9	135.3	036	7.47	82.2	80.90	83.10	75.87	0.00	13.49
7/8/20 12:00	3.5	154.2	042	9.89	84.0	82.90	85.20	70.35	0.00	13.46
7/8/20 13:00	3.8	168.8	042	9.43	85.2	83.90	86.80	64.72	0.00	13.46
7/8/20 14:00	4.2	154.5	036	11.40	86.4	85.20	87.30	58.86	0.00	13.46
7/8/20 15:00	3.4	163.4	041	8.79	87.3	85.70	88.70	56.52	0.00	13.43
7/8/20 16:00	3.9	150.4	036	9.02	88.1	86.60	89.30	53.86	0.00	13.43
7/8/20 17:00	4.4	147.4	032	12.82	88.3	87.40	89.40	50.25	0.00	13.43
7/8/20 18:00	4.4	137.5	023	11.31	88.0	87.20	88.50	51.92	0.00	13.43
7/8/20 19:00	4.0	139.1	022	8.79	86.3	85.50	87.20	57.14	0.00	13.43
7/8/20 20:00	4.0	145.6	025	9.34	84.2	82.90	85.50	62.29	0.00	13.43
7/8/20 21:00	2.8	141.0	020	6.46	81.6	80.60	82.90	62.28	0.00	13.3
7/8/20 22:00	2.1	125.7	023	4.76	79.5	77.98	80.70	58.88	0.00	13.19
7/8/20 23:00	1.0	66.5	021	2.15	76.7	73.52	78.04	67.91	0.00	13.1
7/9/20 0:00	1.2	109.2	035	3.07	74.7	73.01	76.10	74.95	0.00	13.04
7/9/20 1:00	1.5	89.3	033	2.98	73.9	72.56	75.27	81.9	0.00	13
7/9/20 2:00	2.0	45.5	015	4.26	71.4	70.01	73.14	91.8	0.00	12.97
7/9/20 3:00	1.4	24.8	050	4.49	69.4	68.59	70.01	97.3	0.00	12.95
7/9/20 4:00	1.4	26.7	035	6.18	69.2	68.63	69.74	97	0.00	12.94
7/9/20 5:00	0.9	16.7	030	3.34	68.8	68.31	69.48	98.5	0.00	12.92
7/9/20 6:00	1.0	33.3	019	3.57	68.0	67.54	68.61	99.2	0.00	12.92
7/9/20 7:00	0.9	34.8	031	2.93	68.5	67.61	70.52	98.9	0.00	12.94
7/9/20 8:00	1.0	29.0	040	4.31	72.4	70.31	74.47	94	0.00	13.49
7/9/20 9:00	1.6	51.2	052	4.08	76.6	73.63	77.91	88.4	0.00	13.59
7/9/20 10:00	2.2	70.1	040	7.56	79.7	77.67	81.10	76.83	0.00	13.55
7/9/20 11:00	3.3	92.9	057	8.70	81.8	80.30	82.70	70.1	0.00	13.5
7/9/20 12:00	3.8	99.3	039	9.07	83.2	81.90	84.70	66.13	0.00	13.49
7/9/20 13:00	3.5	116.1	037	9.25	83.8	82.70	84.70	63.62	0.00	13.49
7/9/20 14:00	3.9	100.5	039	8.93	85.2	83.90	86.00	60.89	0.00	13.46
7/9/20 15:00	4.5	112.3	027	11.82	85.3	84.00	86.80	59.64	0.00	13.46
7/9/20 16:00	4.2	120.0	028	13.19	86.2	84.40	87.40	55.57	0.00	13.44

7/9/20 17:00	3.6	116.4	031	7.60	86.7	85.60	87.70	55.24	0.00	13.43
7/9/20 18:00	3.6	106.4	033	9.30	87.2	86.20	87.90	55.24	0.00	13.43
7/9/20 19:00	4.0	105.3	027	8.38	85.9	84.70	87.20	59.75	0.00	13.43
7/9/20 20:00	3.1	100.6	023	8.20	83.8	82.70	84.80	63.3	0.00	13.43
7/9/20 21:00	2.5	102.4	020	6.32	81.3	80.10	82.70	66.61	0.00	13.32
7/9/20 22:00	2.0	105.5	019	5.13	78.9	77.43	80.10	71.8	0.00	13.2
7/9/20 23:00	2.0	91.0	028	5.04	77.2	76.36	77.79	77.55	0.00	13.11
7/10/20 0:00	1.7	71.1	025	2.98	75.2	74.67	76.36	84.4	0.00	13.05
7/10/20 1:00	2.1	18.4	015	3.94	72.5	71.25	74.83	93.8	0.00	13
7/10/20 2:00	1.4	35.8	033	3.57	71.7	71.21	72.22	96.6	0.00	12.97
7/10/20 3:00	2.0	11.1	022	4.53	71.4	70.70	71.87	96.8	0.00	12.95
7/10/20 4:00	1.5	24.0	021	3.76	70.8	70.57	71.08	98.2	0.00	12.94
7/10/20 5:00	1.6	6.3	026	4.53	71.1	70.56	71.59	98.4	0.00	12.93
7/10/20 6:00	2.3	37.8	029	6.92	71.6	71.54	71.68	97.6	0.00	12.92
7/10/20 7:00	2.7	48.8	027	8.61	71.8	71.55	72.39	97.3	0.00	12.92
7/10/20 8:00	2.6	348.6	026	5.77	72.7	72.36	72.99	95.4	0.00	13.34
7/10/20 9:00	3.4	21.5	033	10.31	74.9	72.98	76.97	89.3	0.00	13.62
7/10/20 10:00	3.8	7.8	036	10.08	76.9	76.50	77.71	83.2	0.00	13.58
7/10/20 11:00	4.6	11.8	033	11.63	78.2	77.60	78.76	79.87	0.00	13.55
7/10/20 12:00	3.3	12.4	035	8.93	78.7	77.95	79.74	79.79	0.00	13.55
7/10/20 13:00	3.8	20.8	033	9.62	80.4	79.69	81.60	74.98	0.00	13.52
7/10/20 14:00	4.2	17.5	037	12.00	82.5	81.20	83.60	69.75	0.00	13.49
7/10/20 15:00	3.9	27.9	033	10.49	83.4	82.10	84.50	68.05	0.00	13.47
7/10/20 16:00	4.2	12.2	035	10.67	84.5	82.90	85.90	64.49	0.00	13.46
7/10/20 17:00	3.4	29.5	035	8.52	84.2	83.30	85.20	66.09	0.00	13.46
7/10/20 18:00	3.3	32.9	034	9.02	84.2	83.20	84.80	65.2	0.00	13.46
7/10/20 19:00	2.2	29.2	037	6.23	84.5	84.10	85.10	63.96	0.00	13.46
7/10/20 20:00	1.8	60.1	025	4.35	83.5	81.60	85.20	66.36	0.00	13.46
7/10/20 21:00	1.0	30.4	015	2.61	79.6	78.30	81.60	75.69	0.00	13.32
7/10/20 22:00	0.9	69.8	046	3.11	76.1	75.21	78.55	85.5	0.00	13.21
7/10/20 23:00	1.0	85.8	031	3.07	76.0	75.34	76.81	85.1	0.00	13.12
7/11/20 0:00	3.0	4.2	034	7.97	74.8	74.14	76.13	90.8	0.11	13.05
7/11/20 1:00	1.8	42.9	044	6.09	73.6	73.09	74.20	95.7	0.02	13.01
7/11/20 2:00	0.3	311.7	044	1.65	72.8	72.56	73.11	98.3	0.00	12.97
7/11/20 3:00	1.2	169.1	041	3.25	73.0	72.49	73.50	98.8	0.00	12.96
7/11/20 4:00	1.9	271.3	032	4.12	73.2	72.87	73.54	98.1	0.00	12.95
7/11/20 5:00	1.7	288.7	026	4.49	73.4	73.18	73.53	97.8	0.00	12.93
7/11/20 6:00	0.9	228.4	034	3.44	73.0	72.81	73.29	98.6	0.00	12.92
7/11/20 7:00	1.1	222.6	047	2.57	72.9	72.72	73.33	97.9	0.00	12.93
7/11/20 8:00	1.1	214.8	024	3.21	74.7	73.23	75.30	94.6	0.00	13.65
7/11/20 9:00	2.0	210.5	036	5.40	76.3	75.26	77.74	90.7	0.00	13.6
7/11/20 10:00	1.7	206.6	039	4.86	77.7	76.33	80.80	86.7	0.00	13.58



7/11/20 11:00	3.6	277.4	033	9.39	81.4	80.90	82.20	72.16	0.00	13.52
7/11/20 12:00	4.5	274.9	028	11.45	81.5	79.88	82.90	69.22	0.00	13.52
7/11/20 13:00	5.7	287.7	026	12.78	82.9	82.00	83.70	65.47	0.00	13.49
7/11/20 14:00	6.4	288.9	030	14.98	84.0	82.70	85.80	60.42	0.00	13.49
7/11/20 15:00	10.1	295.9	020	20.66	85.8	85.30	86.70	49.17	0.00	13.49
7/11/20 16:00	9.5	287.8	021	16.53	86.5	85.90	86.90	47.79	0.00	13.46
7/11/20 17:00	9.0	291.8	022	21.30	84.8	83.70	86.90	50.8	0.00	13.46
7/11/20 18:00	9.1	297.0	015	17.13	83.7	83.10	84.60	54.41	0.00	13.46
7/11/20 19:00	10.0	305.6	017	19.01	82.6	81.80	83.80	56.54	0.00	13.46
7/11/20 20:00	7.7	309.2	015	18.00	81.2	80.60	81.90	58.66	0.00	13.47
7/11/20 21:00	3.5	328.9	019	10.17	79.9	79.26	80.80	61.03	0.00	13.36
7/11/20 22:00	1.7	342.0	018	3.30	78.6	76.24	79.55	63.77	0.00	13.24
7/11/20 23:00	2.0	299.1	033	4.72	76.1	75.04	77.25	70.91	0.00	13.15
7/12/20 0:00	2.9	293.7	019	7.74	75.3	74.25	76.08	69.1	0.00	13.08
7/12/20 1:00	1.9	275.5	032	5.54	74.2	73.49	75.49	65.87	0.00	13.02
7/12/20 2:00	2.7	270.5	032	5.50	72.7	71.78	73.89	65.77	0.00	12.98
7/12/20 3:00	1.5	296.5	018	3.44	70.8	69.80	72.62	70.35	0.00	12.96
7/12/20 4:00	1.2	63.8	042	2.89	69.4	66.53	70.23	75.43	0.00	12.95
7/12/20 5:00	1.0	14.3	034	2.89	67.0	65.79	68.78	81.6	0.00	12.94
7/12/20 6:00	0.8	344.4	024	3.53	66.5	65.69	67.49	81.6	0.00	12.93
7/12/20 7:00	0.6	343.9	033	2.38	68.0	65.82	71.57	76.27	0.00	12.94
7/12/20 8:00	1.2	4.1	030	2.93	73.0	70.80	75.92	72.3	0.00	13.43
7/12/20 9:00	2.4	315.3	043	7.01	77.9	75.92	79.83	60.92	0.00	13.59
7/12/20 10:00	3.3	262.3	034	7.01	80.5	79.30	81.40	56.3	0.00	13.55
7/12/20 11:00	2.8	235.0	049	6.78	82.2	81.00	83.80	54.16	0.00	13.5
7/12/20 12:00	3.3	242.0	042	8.70	84.1	83.30	85.00	52.13	0.00	13.47
7/12/20 13:00	4.0	197.7	047	10.95	85.0	84.20	86.20	49.58	0.00	13.46
7/12/20 14:00	3.4	197.8	043	10.08	85.8	85.10	86.70	46.84	0.00	13.46
7/12/20 15:00	3.6	188.1	042	12.69	85.1	84.20	87.50	48.2	0.00	13.46
7/12/20 16:00	5.2	175.6	034	14.89	86.0	85.10	87.60	49.08	0.00	13.46
7/12/20 17:00	4.4	147.2	025	9.80	83.0	82.40	85.40	56.24	0.00	13.46
7/12/20 18:00	3.7	106.5	081	15.25	81.4	78.03	83.40	60.44	0.00	13.47
7/12/20 19:00	4.3	21.9	065	13.74	75.7	72.32	78.03	81.4	0.16	13.49
7/12/20 20:00	3.1	21.4	053	10.81	71.6	71.33	72.35	93.8	0.06	13.53
7/12/20 21:00	0.6	336.3	035	2.38	71.6	71.37	71.83	96.8	0.00	13.46
7/12/20 22:00	1.8	5.1	038	5.82	71.6	71.08	72.16	97.1	0.00	13.32
7/12/20 23:00	1.1	334.7	051	3.02	71.6	71.47	71.92	97.1	0.00	13.22
7/13/20 0:00	0.7	58.5	039	1.88	70.8	69.98	71.87	97.9	0.00	13.14
7/13/20 1:00	0.8	343.2	032	3.62	69.7	68.62	70.59	99.2	0.00	13.07
7/13/20 2:00	3.3	332.4	013	5.95	69.1	68.67	69.53	97.2	0.00	13.01
7/13/20 3:00	2.4	336.4	011	5.04	68.2	67.57	68.67	97.6	0.00	12.98
7/13/20 4:00	1.6	340.0	013	5.04	68.0	67.60	68.41	94.5	0.00	12.95

7/13/20 5:00	1.9	12.7	026	3.80	67.8	67.24	68.09	94	0.00	12.94
7/13/20 6:00	0.6	16.1	040	2.15	66.7	66.15	68.04	96.3	0.00	12.93
7/13/20 7:00	0.8	40.5	051	2.75	67.1	66.44	68.00	97.5	0.00	12.95
7/13/20 8:00	2.8	319.4	014	7.10	69.7	67.83	70.99	91.9	0.00	13.28
7/13/20 9:00	3.0	329.0	018	5.86	71.5	70.76	72.16	88.2	0.00	13.67
7/13/20 10:00	1.9	352.1	040	5.40	73.7	72.12	74.93	81.7	0.00	13.64
7/13/20 11:00	2.7	354.3	036	7.42	76.9	74.95	78.38	71.67	0.00	13.56
7/13/20 12:00	3.9	1.1	041	9.34	79.1	77.66	81.00	63.06	0.00	13.54
7/13/20 13:00	2.5	357.0	053	9.94	81.6	80.10	82.80	53.18	0.00	13.51
7/13/20 14:00	3.4	336.8	045	10.40	82.7	81.20	83.80	49.69	0.00	13.49
7/13/20 15:00	3.6	335.0	048	8.11	83.8	82.00	84.80	48.88	0.00	13.49
7/13/20 16:00	3.5	287.6	053	10.35	85.6	84.40	86.80	45.21	0.00	13.46
7/13/20 17:00	5.1	316.0	025	10.49	85.4	84.30	86.30	42.62	0.00	13.46
7/13/20 18:00	3.3	0.7	031	9.02	83.1	80.90	85.50	53.28	0.00	13.46
7/13/20 19:00	2.4	9.0	030	6.73	82.1	81.20	82.60	57.44	0.00	13.46
7/13/20 20:00	1.0	33.5	023	3.39	79.6	77.54	82.20	65.18	0.00	13.45
7/13/20 21:00	1.2	35.6	027	3.11	77.2	76.05	78.47	69.23	0.00	13.32
7/13/20 22:00	1.7	32.9	013	3.25	76.2	75.66	77.30	73.82	0.00	13.2
7/13/20 23:00	1.4	53.7	052	3.21	75.8	74.62	76.47	74.35	0.00	13.12
7/14/20 0:00	1.4	68.3	059	3.53	74.9	73.16	76.10	75.61	0.00	13.05
7/14/20 1:00	1.1	47.7	037	2.89	73.3	71.84	74.34	80.4	0.00	13.01
7/14/20 2:00	1.2	58.9	039	2.98	72.2	71.35	73.09	84.4	0.00	12.97
7/14/20 3:00	1.3	25.0	027	3.07	71.6	70.00	72.90	85.7	0.00	12.95
7/14/20 4:00	0.5	39.5	033	1.79	70.3	69.23	72.22	87.1	0.00	12.94
7/14/20 5:00	1.8	19.9	018	3.25	70.4	69.14	71.12	78.91	0.00	12.93
7/14/20 6:00	1.5	29.0	019	2.52	69.0	68.12	69.60	82.6	0.00	12.92
7/14/20 7:00	1.5	20.9	023	3.53	68.1	67.60	68.68	83.9	0.00	12.93
7/14/20 8:00	1.8	340.4	019	4.63	70.6	68.57	72.40	72.64	0.00	13.46
7/14/20 9:00	2.1	20.4	031	5.18	74.3	72.41	76.30	64.51	0.00	13.62
7/14/20 10:00	2.3	22.0	037	10.76	77.5	76.04	78.89	58.6	0.00	13.58
7/14/20 11:00	5.2	336.0	026	13.83	78.7	78.05	79.19	53.32	0.00	13.55
7/14/20 12:00	6.9	323.4	021	13.01	80.1	78.93	80.70	51.31	0.00	13.52
7/14/20 13:00	6.2	322.8	028	13.88	81.4	80.60	82.10	49.21	0.00	13.52
7/14/20 14:00	7.0	321.7	022	17.77	82.2	81.20	83.10	45.12	0.00	13.52
7/14/20 15:00	4.9	325.2	034	11.27	83.5	82.60	84.30	42.6	0.00	13.49
7/14/20 16:00	2.7	353.7	071	8.02	84.9	83.90	86.10	42.3	0.00	13.46
7/14/20 17:00	2.8	322.8	027	7.37	84.0	82.30	86.30	43.39	0.00	13.46
7/14/20 18:00	1.4	31.1	023	3.48	83.0	80.80	85.10	48.87	0.00	13.46
7/14/20 19:00	2.0	6.0	042	5.59	85.2	84.20	86.30	44.68	0.00	13.46
7/14/20 20:00	3.3	333.5	015	5.95	83.0	81.80	84.30	44.82	0.00	13.46
7/14/20 21:00	3.0	346.6	015	5.50	80.9	80.10	81.80	44.83	0.00	13.35
7/14/20 22:00	1.2	32.4	016	2.93	75.0	72.10	80.10	59.13	0.00	13.24

7/14/20 23:00	1.7	48.3	035	5.31	71.2	69.26	73.32	73.02	0.00	13.15
7/15/20 0:00	1.2	19.1	030	3.80	70.1	67.61	71.55	76.1	0.00	13.08
7/15/20 1:00	1.2	32.4	012	2.89	67.0	66.66	67.67	91.5	0.00	13.02
7/15/20 2:00	0.8	42.8	013	2.93	65.7	65.13	66.97	95.4	0.00	12.98
7/15/20 3:00	1.5	45.1	010	2.34	65.6	64.68	66.15	96.5	0.00	12.95
7/15/20 4:00	0.6	24.7	033	2.52	64.5	63.66	65.25	98	0.00	12.94
7/15/20 5:00	0.7	14.7	024	1.83	66.0	63.84	67.16	91.5	0.00	12.93
7/15/20 6:00	1.0	45.7	007	2.79	64.4	63.77	66.30	95.7	0.00	12.91
7/15/20 7:00	1.1	52.4	015	1.92	65.2	64.03	66.68	95.1	0.00	12.92
7/15/20 8:00	0.5	20.5	033	2.29	70.7	66.69	75.56	84.8	0.00	13.72
7/15/20 9:00	0.7	7.4	081	2.57	77.2	75.53	79.66	67.42	0.00	13.62
7/15/20 10:00	1.3	48.8	048	4.12	80.1	78.72	81.20	61.47	0.00	13.55
7/15/20 11:00	1.7	119.5	058	5.04	82.6	80.50	84.80	56.51	0.00	13.5
7/15/20 12:00	2.8	279.0	050	7.60	84.9	83.70	86.30	44.45	0.00	13.47
7/15/20 13:00	2.6	203.3	063	6.46	86.4	85.30	87.50	41.09	0.00	13.44
7/15/20 14:00	2.5	102.9	047	6.60	86.7	85.10	88.20	42.17	0.00	13.43
7/15/20 15:00	2.7	166.1	059	7.92	86.6	85.20	88.90	41	0.00	13.43
7/15/20 16:00	2.2	118.8	044	6.23	87.7	86.20	89.00	39.93	0.00	13.43
7/15/20 17:00	3.5	137.0	031	8.52	87.2	85.40	88.70	44.93	0.00	13.43
7/15/20 18:00	4.0	120.0	027	9.53	86.4	84.90	87.50	52.43	0.00	13.43
7/15/20 19:00	4.7	134.6	021	11.45	85.0	84.60	85.90	54.24	0.00	13.43
7/15/20 20:00	4.9	134.9	019	9.76	83.6	82.50	84.70	56.13	0.00	13.44
7/15/20 21:00	4.1	134.7	018	8.70	81.5	80.40	82.50	56.31	0.00	13.33
7/15/20 22:00	5.5	134.8	020	12.96	79.2	78.03	80.40	66.45	0.00	13.2
7/15/20 23:00	5.5	139.5	024	12.92	77.2	76.35	78.09	80.8	0.00	13.12
7/16/20 0:00	5.1	135.0	023	11.27	76.0	75.67	76.35	84.6	0.00	13.05
7/16/20 1:00	4.6	133.2	022	12.27	75.3	74.92	75.72	85	0.00	13
7/16/20 2:00	4.6	137.3	021	11.04	74.4	74.01	74.92	85.3	0.00	12.97
7/16/20 3:00	3.3	131.4	021	7.65	73.6	73.27	74.03	86.9	0.00	12.96
7/16/20 4:00	4.3	136.7	020	9.71	72.8	72.62	73.31	89.9	0.00	12.95
7/16/20 5:00	3.4	127.7	020	8.89	72.7	72.62	72.81	91.2	0.00	12.93
7/16/20 6:00	2.9	131.6	017	6.69	72.6	72.42	72.75	92.1	0.00	12.92
7/16/20 7:00	3.3	135.6	017	6.82	72.6	72.42	73.19	92.8	0.00	12.92
7/16/20 8:00	3.5	136.8	022	8.66	73.7	73.20	74.13	91	0.00	13.51
7/16/20 9:00	3.9	142.7	026	9.94	75.2	74.13	76.73	88.1	0.00	13.61
7/16/20 10:00	4.3	144.2	030	10.26	77.0	76.56	77.74	82.5	0.00	13.58
7/16/20 11:00	4.2	147.0	028	9.71	77.5	77.01	78.27	79.06	0.00	13.58
7/16/20 12:00	4.0	150.1	029	10.44	79.5	77.66	81.20	73.37	0.00	13.52
7/16/20 13:00	4.9	158.7	032	13.24	81.6	80.60	83.10	68.33	0.00	13.49
7/16/20 14:00	6.0	158.6	032	14.29	82.2	81.10	83.40	67.47	0.00	13.49
7/16/20 15:00	6.2	156.1	030	14.20	83.0	81.90	84.10	63.86	0.00	13.49
7/16/20 16:00	6.3	177.4	031	15.71	84.1	83.10	84.80	57.24	0.00	13.47

7/16/20 17:00	6.2	158.5	029	13.65	83.7	82.90	84.70	60.63	0.00	13.46
7/16/20 18:00	6.1	158.0	030	15.53	83.5	82.70	84.10	63.41	0.00	13.46
7/16/20 19:00	5.5	156.0	031	15.53	82.1	80.60	83.20	67.08	0.00	13.46
7/16/20 20:00	5.6	147.5	024	13.92	80.0	79.33	80.60	70.35	0.00	13.47
7/16/20 21:00	5.2	153.5	027	13.47	78.7	78.07	79.34	72.55	0.00	13.33
7/16/20 22:00	5.4	157.4	028	14.24	77.5	76.96	78.12	75.85	0.00	13.21
7/16/20 23:00	5.5	160.5	028	13.33	76.5	76.02	76.96	76.89	0.00	13.12
7/17/20 0:00	5.2	162.5	029	12.00	75.5	74.94	76.04	80	0.00	13.06
7/17/20 1:00	4.5	161.3	029	10.99	74.7	74.47	74.98	84.1	0.00	13.01
7/17/20 2:00	3.5	159.8	029	8.11	74.5	74.37	74.66	86	0.00	12.97
7/17/20 3:00	3.4	170.4	032	8.89	74.7	74.43	75.08	86.9	0.00	12.96
7/17/20 4:00	4.1	189.9	031	10.21	74.9	74.62	75.12	86.9	0.00	12.95
7/17/20 5:00	3.6	187.4	030	10.90	74.4	74.22	74.65	88	0.00	12.94
7/17/20 6:00	2.8	213.1	034	8.47	74.2	74.04	74.37	88.5	0.00	12.93
7/17/20 7:00	4.6	202.2	028	14.89	74.6	74.29	74.97	87.3	0.00	12.94
7/17/20 8:00	5.0	213.4	029	11.54	75.9	74.97	76.69	83.8	0.00	13.35
7/17/20 9:00	4.9	228.3	032	11.63	77.2	76.46	78.73	80.8	0.00	13.58
7/17/20 10:00	4.0	246.3	031	11.36	79.5	78.43	81.00	76.95	0.00	13.55
7/17/20 11:00	4.4	264.2	032	9.11	82.3	80.30	84.20	71.98	0.00	13.49
7/17/20 12:00	5.2	296.6	035	10.31	85.1	83.80	85.90	67.05	0.00	13.46
7/17/20 13:00	6.2	312.6	022	12.32	86.5	85.20	88.20	63.7	0.00	13.46
7/17/20 14:00	6.7	322.2	027	14.24	88.7	87.80	90.10	57.31	0.00	13.43
7/17/20 15:00	4.5	333.6	032	12.41	89.9	88.60	90.90	52.51	0.00	13.43
7/17/20 16:00	5.9	316.6	021	14.15	91.0	90.00	91.60	45.46	0.00	13.4
7/17/20 17:00	4.0	346.9	036	10.26	91.5	90.50	92.30	47.38	0.00	13.4
7/17/20 18:00	4.1	331.0	037	9.34	91.7	90.70	92.50	44.77	0.00	13.4
7/17/20 19:00	2.5	357.3	037	7.51	91.3	90.20	92.40	46.37	0.00	13.4
7/17/20 20:00	1.4	30.7	026	3.44	89.1	87.30	91.30	51.64	0.00	13.4
7/17/20 21:00	1.6	14.5	019	3.53	86.1	84.80	87.30	53.96	0.00	13.26
7/17/20 22:00	1.9	56.6	055	7.33	82.1	79.14	86.50	65.45	0.00	13.15
7/17/20 23:00	0.5	65.3	041	2.61	81.6	79.67	82.50	70.49	0.00	13.07
7/18/20 0:00	1.0	25.7	070	3.53	81.2	79.17	82.70	77.35	0.00	13.01
7/18/20 1:00	2.2	27.7	023	3.85	77.8	75.69	79.90	86.8	0.00	12.98
7/18/20 2:00	2.8	33.3	011	4.44	75.8	75.08	76.13	89.6	0.00	12.96
7/18/20 3:00	1.0	10.4	019	4.53	77.2	76.10	77.59	79.05	0.00	12.96
7/18/20 4:00	0.8	358.2	016	2.52	75.5	74.69	76.65	80.6	0.00	12.95
7/18/20 5:00	1.2	1.3	015	2.75	73.8	72.67	74.83	83.3	0.00	12.93
7/18/20 6:00	1.5	6.6	012	2.79	72.9	71.64	73.34	78.44	0.00	12.92
7/18/20 7:00	1.0	17.7	016	2.66	72.2	71.60	72.64	77.6	0.00	12.93
7/18/20 8:00	1.6	15.3	023	4.03	75.2	72.01	78.07	72.64	0.00	13.37
7/18/20 9:00	1.9	30.0	024	4.63	80.0	78.03	81.60	61.38	0.00	13.57
7/18/20 10:00	1.9	22.3	031	4.63	83.7	81.60	86.00	55.74	0.00	13.5

7/18/20 11:00	2.0	358.8	058	5.31	86.3	85.40	87.50	50.42	0.00	13.46
7/18/20 12:00	2.4	14.1	059	7.10	88.2	86.80	89.30	44.67	0.00	13.43
7/18/20 13:00	2.5	30.5	070	8.47	89.5	88.20	90.70	42.59	0.00	13.43
7/18/20 14:00	2.7	344.9	097	8.15	91.2	90.20	92.40	39	0.00	13.4
7/18/20 15:00	3.7	346.5	043	11.18	91.6	90.50	92.70	37.99	0.00	13.4
7/18/20 16:00	3.5	319.8	054	8.66	92.6	91.70	93.50	37.34	0.00	13.4
7/18/20 17:00	2.2	1.4	075	7.97	93.4	92.10	95.10	36.29	0.00	13.38
7/18/20 18:00	2.3	51.7	037	5.63	92.3	91.80	92.70	41.89	0.00	13.37
7/18/20 19:00	1.8	48.3	038	4.40	91.4	90.10	92.60	45.71	0.00	13.37
7/18/20 20:00	1.7	86.3	033	3.53	88.4	86.50	90.10	51.09	0.00	13.38
7/18/20 21:00	2.5	96.2	026	5.77	84.7	83.10	86.80	53.94	0.00	13.28
7/18/20 22:00	2.3	124.9	014	4.90	82.0	81.10	83.20	64.12	0.00	13.16
7/18/20 23:00	1.7	138.2	013	4.31	80.9	80.30	81.40	66.75	0.00	13.08
7/19/20 0:00	1.8	130.8	014	4.12	79.9	78.12	81.10	68.01	0.00	13.02
7/19/20 1:00	1.3	52.0	040	2.98	76.8	74.09	78.12	77.54	0.00	12.99
7/19/20 2:00	1.6	37.7	012	2.84	74.5	73.14	76.12	84.6	0.00	12.96
7/19/20 3:00	1.3	50.4	016	3.25	75.4	73.94	76.46	82	0.00	12.95
7/19/20 4:00	1.2	14.2	025	2.70	73.3	72.30	74.63	88.7	0.00	12.95
7/19/20 5:00	1.8	35.3	024	3.44	71.9	70.54	73.49	92.6	0.00	12.93
7/19/20 6:00	1.5	48.8	036	3.30	69.7	69.13	70.59	98	0.00	12.92
7/19/20 7:00	0.8	346.7	044	2.93	70.8	69.65	72.02	97.2	0.00	12.93
7/19/20 8:00	0.7	36.4	047	2.57	76.4	71.87	81.20	86.8	0.00	13.33
7/19/20 9:00	1.2	125.8	045	3.30	82.6	81.10	85.20	75.95	0.00	13.55
7/19/20 10:00	1.1	320.7	077	4.12	88.0	84.90	90.20	64.82	0.00	13.47
7/19/20 11:00	2.2	241.5	047	6.69	91.3	90.00	92.10	48.23	0.00	13.43
7/19/20 12:00	4.8	307.5	032	11.18	91.9	91.10	92.80	49.36	0.00	13.4
7/19/20 13:00	3.9	304.7	040	10.21	92.2	90.80	93.20	50.12	0.00	13.39
7/19/20 14:00	3.8	283.8	044	9.11	93.2	91.60	94.60	47.36	0.00	13.38
7/19/20 15:00	4.4	273.7	033	12.50	93.9	92.90	94.70	45.14	0.00	13.37
7/19/20 16:00	4.6	253.4	039	13.37	94.4	93.10	95.40	44.18	0.00	13.37
7/19/20 17:00	4.2	230.0	041	12.69	94.7	93.60	96.30	44.65	0.00	13.35
7/19/20 18:00	4.2	246.3	032	10.90	94.8	94.30	95.40	44.71	0.00	13.35
7/19/20 19:00	3.4	247.2	028	7.37	93.7	92.00	94.70	46.46	0.00	13.35
7/19/20 20:00	1.4	161.2	071	5.59	91.9	89.80	92.90	51.7	0.00	13.35
7/19/20 21:00	1.5	241.1	073	4.81	89.2	88.60	89.80	57.12	0.00	13.24
7/19/20 22:00	2.2	252.9	020	4.58	88.7	88.20	89.10	58.66	0.00	13.12
7/19/20 23:00	2.4	254.0	018	4.95	87.4	86.20	88.20	60.47	0.00	13.05
7/20/20 0:00	1.9	248.3	036	6.32	85.8	84.20	86.40	62.44	0.00	13.01
7/20/20 1:00	1.7	257.3	044	5.36	84.1	83.80	84.30	65.62	0.00	12.98
7/20/20 2:00	1.7	297.1	041	5.50	83.0	80.90	84.60	68.43	0.00	12.97
7/20/20 3:00	0.5	346.4	050	2.57	80.3	78.88	81.50	76.23	0.00	12.96
7/20/20 4:00	2.5	327.7	017	5.77	80.1	79.42	81.00	76.19	0.00	12.95

7/20/20 5:00	3.7	318.5	010	6.41	81.4	81.00	81.80	70.6	0.00	12.93
7/20/20 6:00	2.7	323.6	012	5.77	81.3	80.90	81.60	68.67	0.00	12.93
7/20/20 7:00	1.4	319.2	021	4.31	80.5	79.58	81.60	70.1	0.00	12.93
7/20/20 8:00	2.0	293.1	018	6.05	80.6	79.82	81.70	71.29	0.00	13.27
7/20/20 9:00	4.9	291.4	014	9.76	83.6	81.70	85.80	61.59	0.00	13.53
7/20/20 10:00	5.6	285.3	019	10.72	84.9	84.30	85.90	59.68	0.00	13.49
7/20/20 11:00	6.8	298.9	020	14.98	86.6	84.80	87.90	56.89	0.00	13.47
7/20/20 12:00	6.5	300.8	021	13.47	88.7	87.30	90.10	54.34	0.00	13.44
7/20/20 13:00	7.1	294.8	032	15.80	91.7	89.40	92.90	49.39	0.00	13.41
7/20/20 14:00	6.1	291.5	031	12.69	92.8	91.90	94.00	48.32	0.00	13.4
7/20/20 15:00	5.4	265.5	036	14.70	93.8	92.60	94.50	48.69	0.00	13.38
7/20/20 16:00	4.4	243.7	037	11.40	94.7	93.60	95.90	49.33	0.00	13.35
7/20/20 17:00	4.6	240.0	042	17.22	94.3	90.40	96.60	50.02	0.00	13.35
7/20/20 18:00	3.8	359.6	098	14.66	82.7	77.40	90.40	74.26	0.10	13.35
7/20/20 19:00	1.5	223.5	081	6.14	84.2	81.30	86.60	78.56	0.00	13.49
7/20/20 20:00	2.5	189.0	034	8.89	83.2	82.20	84.50	72.24	0.00	13.49
7/20/20 21:00	2.4	195.0	032	7.83	81.6	81.00	82.20	72.1	0.00	13.34
7/20/20 22:00	2.9	246.4	045	6.46	80.4	79.59	81.10	74.11	0.00	13.21
7/20/20 23:00	1.4	255.0	057	3.53	79.7	78.10	80.20	76.78	0.00	13.12
7/21/20 0:00	2.3	20.6	036	3.85	77.2	75.15	78.34	86.5	0.00	13.06
7/21/20 1:00	1.5	39.2	061	4.12	75.8	74.60	78.00	92	0.00	13.01
7/21/20 2:00	1.4	43.8	038	6.32	74.9	74.51	75.45	93.7	0.00	12.98
7/21/20 3:00	1.7	29.3	016	2.89	74.4	73.58	75.55	94	0.00	12.97
7/21/20 4:00	1.7	22.3	049	3.99	73.7	73.16	74.58	95.5	0.00	12.96
7/21/20 5:00	1.3	9.9	035	3.89	74.0	73.47	74.51	90.7	0.00	12.94
7/21/20 6:00	0.7	22.8	020	2.06	74.0	73.01	74.62	88.1	0.00	12.94
7/21/20 7:00	1.2	14.8	024	2.93	72.6	71.74	74.10	93.9	0.00	12.94
7/21/20 8:00	1.0	15.1	023	3.53	75.4	73.77	78.07	83.1	0.00	13.39
7/21/20 9:00	1.5	14.4	028	4.21	79.2	77.22	82.20	72.91	0.00	13.58
7/21/20 10:00	1.9	93.8	053	4.86	84.6	82.20	86.70	59.23	0.00	13.49
7/21/20 11:00	2.1	58.3	041	5.27	87.5	86.70	88.90	51.37	0.00	13.46
7/21/20 12:00	2.6	93.8	052	7.60	89.5	88.50	90.90	47.39	0.00	13.43
7/21/20 13:00	2.9	147.4	058	8.20	91.5	90.10	93.00	43.34	0.00	13.41
7/21/20 14:00	2.7	165.6	081	8.20	92.8	92.00	93.70	41.79	0.00	13.38
7/21/20 15:00	3.1	218.0	071	9.76	93.8	93.30	94.40	41.48	0.00	13.38
7/21/20 16:00	3.4	195.2	068	8.75	94.3	93.40	95.40	40.81	0.00	13.35
7/21/20 17:00	2.9	191.5	064	8.52	94.1	93.40	94.90	41.07	0.00	13.35
7/21/20 18:00	2.0	73.5	031	4.81	90.4	88.00	93.50	53.99	0.00	13.35
7/21/20 19:00	2.6	64.4	031	6.14	89.0	88.00	89.90	60	0.00	13.4
7/21/20 20:00	3.4	144.2	086	15.39	83.3	79.64	88.00	66.61	0.00	13.38
7/21/20 21:00	3.4	152.1	050	14.75	77.8	76.96	79.67	80.5	0.00	13.25
7/21/20 22:00	2.9	163.0	058	10.49	74.3	73.56	77.05	93.1	0.00	13.15

7/21/20 23:00	1.8	278.3	072	9.07	74.3	73.89	74.54	95.6	0.02	13.07
7/22/20 0:00	1.3	183.6	077	4.81	74.1	73.88	74.52	98	0.01	13.02
7/22/20 1:00	1.4	261.1	038	4.72	74.2	74.00	74.50	97	0.00	12.99
7/22/20 2:00	1.4	280.5	046	4.40	74.2	73.98	74.45	96.8	0.00	12.97
7/22/20 3:00	2.3	223.5	027	7.01	74.1	73.82	74.41	96.3	0.00	12.95
7/22/20 4:00	2.2	197.2	031	6.05	73.8	73.72	73.90	99.1	0.01	12.94
7/22/20 5:00	1.1	10.0	054	2.93	73.3	72.67	73.85	99	0.00	12.93
7/22/20 6:00	0.9	355.1	059	2.98	72.7	72.18	73.29	98.6	0.00	12.92
7/22/20 7:00	1.0	329.4	028	3.85	72.7	72.28	73.17	97.5	0.00	12.92
7/22/20 8:00	2.0	248.1	024	4.58	74.5	72.84	75.54	94.5	0.00	13.29
7/22/20 9:00	2.5	239.2	032	5.86	77.5	75.18	79.22	86.4	0.00	13.58
7/22/20 10:00	3.5	230.8	032	7.69	79.2	78.65	81.00	82.1	0.00	13.55
7/22/20 11:00	2.2	197.4	054	6.60	81.9	80.30	83.40	77.63	0.00	13.49
7/22/20 12:00	2.5	188.1	064	7.69	85.3	82.90	87.10	69.9	0.00	13.46
7/22/20 13:00	2.5	175.7	074	7.37	88.5	86.90	90.00	62.57	0.00	13.43
7/22/20 14:00	3.8	168.9	050	9.02	90.3	89.30	91.10	60.24	0.00	13.41
7/22/20 15:00	4.0	146.2	037	9.98	91.0	89.60	92.10	57.7	0.00	13.4
7/22/20 16:00	9.4	223.1	087	27.02	82.7	70.70	89.60	68.86	0.01	13.33
7/22/20 17:00	4.0	227.2	068	24.05	71.6	70.71	72.22	94.8	0.13	13.22
7/22/20 18:00	2.0	144.7	055	6.00	71.7	71.18	72.35	97.1	0.12	13.14
7/22/20 19:00	2.1	128.7	019	4.76	71.4	71.29	71.65	98.6	0.04	13.14
7/22/20 20:00	2.6	193.3	035	8.70	72.0	71.51	72.68	98.9	0.00	13.19
7/22/20 21:00	2.3	262.5	032	5.59	72.6	72.25	72.85	97.2	0.00	13.17
7/22/20 22:00	1.5	245.4	026	4.58	72.3	72.13	72.38	98.2	0.00	13.09
7/22/20 23:00	2.6	252.9	023	6.87	72.1	71.99	72.19	98.7	0.01	13.02
7/23/20 0:00	2.0	324.1	038	4.31	71.8	71.51	72.09	98.6	0.00	12.99
7/23/20 1:00	0.8	146.4	031	2.75	71.3	70.99	71.51	99.3	0.00	12.97
7/23/20 2:00	2.0	186.8	028	7.60	71.6	71.32	71.80	99.7	0.00	12.95
7/23/20 3:00	1.9	221.0	044	5.08	71.7	71.58	71.87	99.6	0.00	12.94
7/23/20 4:00	2.2	234.3	027	5.27	71.7	71.58	71.91	99	0.00	12.92
7/23/20 5:00	0.9	173.3	028	3.80	71.9	71.86	72.11	98.5	0.00	12.91
7/23/20 6:00	1.3	305.6	044	2.98	72.0	71.87	72.15	98.2	0.00	12.91
7/23/20 7:00	1.6	10.6	052	3.11	72.0	71.79	72.35	98.4	0.00	12.91
7/23/20 8:00	0.4	309.7	039	2.61	73.7	72.06	75.50	96.4	0.00	13.16
7/23/20 9:00	1.5	241.1	044	4.99	77.1	75.50	78.48	87.3	0.00	13.6
7/23/20 10:00	1.5	244.3	038	4.31	79.3	78.49	79.87	79.92	0.00	13.57
7/23/20 11:00	3.1	244.5	029	6.78	79.3	78.82	81.10	81.5	0.00	13.55
7/23/20 12:00	3.7	274.6	035	8.56	83.1	81.10	84.50	68.19	0.00	13.49
7/23/20 13:00	4.8	294.0	034	11.72	85.5	84.50	86.80	61.34	0.00	13.46
7/23/20 14:00	3.6	261.6	048	8.34	86.9	86.00	87.80	60.22	0.00	13.46
7/23/20 15:00	3.4	266.4	043	8.61	88.9	87.20	90.20	56.35	0.00	13.43
7/23/20 16:00	3.5	227.9	057	9.16	90.1	89.20	90.70	53.26	0.00	13.41

7/23/20 17:00	3.4	228.5	052	9.66	91.3	90.60	91.90	51.77	0.00	13.38
7/23/20 18:00	3.7	247.1	047	8.61	90.8	89.50	91.70	50.36	0.00	13.38
7/23/20 19:00	1.6	221.5	057	5.73	88.4	86.80	89.50	52.91	0.00	13.38
7/23/20 20:00	5.4	274.5	046	20.98	83.9	76.47	87.70	65.49	0.01	13.29
7/23/20 21:00	3.4	343.5	054	11.77	74.5	73.58	76.54	89.6	0.02	13.17
7/23/20 22:00	3.7	171.6	059	11.82	74.3	73.59	75.10	91.8	0.00	13.09
7/23/20 23:00	3.0	183.9	028	7.74	73.5	73.02	74.10	86.7	0.00	13.04
7/24/20 0:00	3.6	294.7	035	8.43	72.8	72.48	73.20	92.9	0.01	13.01
7/24/20 1:00	1.5	44.7	064	4.40	72.4	72.06	73.05	97.4	0.01	12.99
7/24/20 2:00	1.4	326.7	022	3.30	72.5	72.28	73.06	98.8	0.01	12.97
7/24/20 3:00	1.6	293.3	038	3.99	73.1	73.05	73.26	97.4	0.00	12.96
7/24/20 4:00	2.6	300.5	026	7.10	73.2	72.98	73.39	97	0.00	12.94
7/24/20 5:00	3.4	297.9	018	7.15	73.1	72.93	73.30	97.1	0.04	12.93
7/24/20 6:00	3.0	302.3	022	8.38	72.5	72.28	72.96	98.3	0.11	12.92
7/24/20 7:00	3.4	311.6	013	8.06	72.2	72.08	72.52	98.2	0.04	12.92
7/24/20 8:00	1.2	333.0	024	3.39	72.5	72.09	73.06	97.4	0.01	12.99
7/24/20 9:00	2.2	283.6	046	6.55	74.5	73.06	75.52	92.5	0.00	13.63
7/24/20 10:00	1.6	251.6	055	4.31	76.2	75.19	77.28	87.6	0.00	13.6
7/24/20 11:00	2.3	241.1	032	6.18	77.8	77.11	78.61	83.7	0.00	13.55
7/24/20 12:00	3.0	245.3	041	7.56	78.8	78.02	79.90	80.7	0.00	13.54
7/24/20 13:00	2.4	233.8	039	5.82	80.1	79.19	80.90	78.73	0.00	13.52
7/24/20 14:00	2.6	253.4	036	7.24	81.4	80.40	82.80	75.13	0.00	13.49
7/24/20 15:00	2.5	232.4	063	6.64	83.2	81.20	85.30	71.11	0.00	13.47
7/24/20 16:00	2.4	195.3	062	7.69	81.9	80.40	82.90	74.78	0.00	13.46
7/24/20 17:00	1.5	236.0	046	4.95	80.8	79.62	82.40	79.83	0.01	13.47
7/24/20 18:00	1.9	223.7	059	6.09	81.2	80.70	81.90	79.17	0.00	13.49
7/24/20 19:00	3.1	317.1	045	11.31	76.3	73.24	80.70	88.5	0.13	13.49
7/24/20 20:00	0.9	103.4	036	3.02	75.5	74.87	75.84	94.7	0.00	13.57
7/24/20 21:00	3.1	82.2	056	10.72	74.8	72.64	75.89	92.8	0.00	13.41
7/24/20 22:00	1.9	34.0	073	5.22	71.8	71.08	72.72	96.2	0.00	13.29
7/24/20 23:00	1.3	45.3	063	3.39	70.7	70.46	71.16	99.3	0.00	13.19
7/25/20 0:00	1.9	35.9	039	6.92	70.4	70.16	70.69	99.7	0.00	13.11
7/25/20 1:00	2.1	109.1	086	7.74	70.5	70.17	71.02	98.7	0.00	13.05
7/25/20 2:00	1.0	354.2	039	3.76	69.7	69.30	70.20	99.4	0.00	13.01
7/25/20 3:00	1.0	3.5	040	3.89	69.1	68.81	69.53	100	0.00	13
7/25/20 4:00	0.9	60.2	064	2.93	69.1	68.68	69.40	100	0.00	12.98
7/25/20 5:00	0.7	7.4	046	2.43	68.3	67.22	68.76	100	0.00	12.97
7/25/20 6:00	0.8	57.0	037	3.89	68.7	68.36	69.03	100	0.00	12.95
7/25/20 7:00	0.7	41.3	036	2.79	68.6	68.11	69.71	100	0.00	12.95
7/25/20 8:00	0.5	274.9	052	2.11	71.0	69.71	72.69	98.9	0.00	13.35
7/25/20 9:00	0.8	105.3	058	2.47	74.7	72.70	76.49	92.1	0.00	13.64
7/25/20 10:00	1.0	219.8	074	4.63	77.3	76.42	78.89	85.7	0.00	13.58



7/25/20 11:00	1.3	344.4	071	3.76	80.5	78.17	82.50	79.21	0.00	13.52
7/25/20 12:00	1.6	295.7	068	4.72	82.4	81.30	84.50	74.12	0.00	13.49
7/25/20 13:00	2.6	352.3	055	6.73	84.3	82.90	85.80	70.26	0.00	13.46
7/25/20 14:00	1.5	9.4	085	4.17	85.2	83.50	86.80	67.7	0.00	13.46
7/25/20 15:00	1.9	85.3	062	5.04	87.6	86.20	89.20	60.8	0.00	13.43
7/25/20 16:00	1.7	1.7	064	4.21	88.2	86.50	89.20	58.35	0.00	13.43
7/25/20 17:00	2.4	123.0	031	7.42	87.9	86.80	89.50	60.83	0.00	13.43
7/25/20 18:00	1.9	122.3	074	6.05	87.5	85.20	89.30	61.88	0.00	13.43
7/25/20 19:00	2.3	138.7	033	6.78	87.5	85.20	88.70	62.63	0.00	13.43
7/25/20 20:00	1.6	136.7	039	4.95	85.7	84.80	87.00	66.31	0.00	13.43
7/25/20 21:00	2.5	149.8	028	6.05	83.4	82.60	85.10	72.13	0.00	13.28
7/25/20 22:00	2.9	261.0	030	7.92	80.4	79.19	82.70	83.4	0.00	13.16
7/25/20 23:00	1.0	183.9	025	5.27	80.0	79.52	80.70	85	0.00	13.08
7/26/20 0:00	1.4	202.6	025	4.99	80.4	79.65	81.00	79.71	0.00	13.03
7/26/20 1:00	1.6	67.6	028	2.93	78.3	77.16	79.68	85.5	0.00	13
7/26/20 2:00	0.9	171.7	032	4.08	77.5	76.99	78.08	88.1	0.00	12.99
7/26/20 3:00	1.0	183.9	023	4.17	77.7	77.16	78.07	88.6	0.00	12.97
7/26/20 4:00	0.9	215.8	046	4.44	77.1	76.58	77.35	91.5	0.00	12.96
7/26/20 5:00	0.8	18.3	049	2.38	75.8	74.81	76.58	94.8	0.00	12.95
7/26/20 6:00	1.3	223.3	052	3.62	75.6	75.04	75.96	95.5	0.00	12.94
7/26/20 7:00	1.9	254.4	024	4.63	75.6	75.24	76.01	95.3	0.00	12.94
7/26/20 8:00	2.4	258.4	022	7.15	77.4	76.02	79.01	91.4	0.00	13.3
7/26/20 9:00	5.4	290.1	019	10.81	80.1	79.03	80.70	78.27	0.00	13.57
7/26/20 10:00	6.8	308.9	018	14.47	81.9	80.70	83.50	69.31	0.00	13.52
7/26/20 11:00	6.8	313.6	017	13.19	84.6	83.30	86.30	62.64	0.00	13.49
7/26/20 12:00	6.3	314.3	024	12.82	86.6	85.60	87.70	56.73	0.00	13.46
7/26/20 13:00	4.5	328.4	035	9.85	87.6	86.80	88.90	54.11	0.00	13.44
7/26/20 14:00	6.6	307.6	023	13.65	89.2	87.80	89.90	45.81	0.00	13.43
7/26/20 15:00	6.6	298.7	026	14.20	90.0	89.40	90.60	43.83	0.00	13.43
7/26/20 16:00	6.3	295.7	030	14.01	90.4	89.80	91.20	43.73	0.00	13.43
7/26/20 17:00	6.4	292.3	023	13.37	90.8	90.20	91.40	41.36	0.00	13.43
7/26/20 18:00	5.9	309.0	021	13.28	90.9	90.50	91.70	42.64	0.00	13.43
7/26/20 19:00	5.3	307.6	024	12.00	90.5	90.10	91.10	43.27	0.00	13.43
7/26/20 20:00	2.9	263.1	019	6.46	89.3	88.30	90.40	46.46	0.00	13.43
7/26/20 21:00	1.4	334.0	061	3.25	84.9	82.40	88.30	57.27	0.00	13.28
7/26/20 22:00	1.9	355.4	038	3.71	81.4	80.10	82.80	67.94	0.00	13.17
7/26/20 23:00	2.2	284.2	019	4.12	81.6	81.10	82.20	66.46	0.00	13.09
7/27/20 0:00	2.4	300.7	020	4.95	80.3	79.79	81.50	68.64	0.00	13.03
7/27/20 1:00	2.1	288.4	014	4.21	79.9	79.49	80.70	69.46	0.00	13
7/27/20 2:00	1.1	317.0	032	2.38	79.0	78.50	79.62	71.61	0.00	12.98
7/27/20 3:00	0.9	342.1	026	2.70	76.7	75.22	78.51	79.52	0.00	12.97
7/27/20 4:00	3.2	341.1	009	4.44	77.4	76.10	77.94	77.36	0.00	12.96

7/27/20 5:00	3.2	340.1	009	5.31	76.8	76.15	77.53	76.82	0.00	12.95
7/27/20 6:00	3.1	345.0	012	5.63	75.7	75.55	76.26	75.59	0.00	12.94
7/27/20 7:00	1.0	328.6	012	3.80	74.1	73.32	75.58	78.71	0.00	12.94
7/27/20 8:00	0.8	321.1	024	2.57	77.4	75.25	79.93	74.37	0.00	13.22
7/27/20 9:00	4.3	319.7	014	10.12	81.6	79.91	83.40	64.44	0.00	13.55
7/27/20 10:00	5.9	305.6	018	11.13	84.4	83.20	85.50	59.38	0.00	13.5
7/27/20 11:00	5.8	294.8	026	12.50	86.2	85.30	87.20	57.09	0.00	13.47
7/27/20 12:00	5.9	297.3	029	12.32	87.8	86.80	88.80	56	0.00	13.44
7/27/20 13:00	6.3	287.1	031	12.32	89.5	88.30	90.80	52.96	0.00	13.43
7/27/20 14:00	6.7	286.2	028	15.76	90.8	89.80	91.40	48.22	0.00	13.43
7/27/20 15:00	6.5	277.0	026	12.73	92.0	91.10	93.00	47.25	0.00	13.43
7/27/20 16:00	6.1	254.8	032	14.56	93.0	91.70	94.30	45.57	0.00	13.4
7/27/20 17:00	5.1	245.0	029	14.01	92.9	91.80	93.80	45.96	0.00	13.4
7/27/20 18:00	5.5	240.9	028	11.45	92.6	91.80	93.20	47.09	0.00	13.4
7/27/20 19:00	6.3	236.2	028	14.01	91.4	90.30	92.50	48.93	0.00	13.4
7/27/20 20:00	4.7	245.7	023	11.68	89.2	88.40	90.40	52.45	0.00	13.4
7/27/20 21:00	3.2	247.2	024	7.28	87.1	85.60	88.40	57.92	0.00	13.25
7/27/20 22:00	3.0	246.7	021	6.09	85.1	84.40	85.70	62.99	0.00	13.14
7/27/20 23:00	2.7	256.6	020	5.54	83.6	82.70	84.40	66.01	0.00	13.06
7/28/20 0:00	2.9	265.3	019	5.91	82.2	81.10	82.90	68.88	0.00	13.02
7/28/20 1:00	3.5	271.5	016	7.83	80.8	80.20	81.40	74.13	0.00	12.99
7/28/20 2:00	3.0	271.3	022	5.95	80.2	79.25	81.00	73.54	0.00	12.98
7/28/20 3:00	2.8	299.8	022	7.74	79.6	78.53	80.50	72.17	0.00	12.97
7/28/20 4:00	3.2	318.5	012	7.01	79.0	77.91	80.20	70.86	0.00	12.96
7/28/20 5:00	3.6	319.1	017	6.87	78.4	77.40	78.91	70.66	0.00	12.94
7/28/20 6:00	0.5	15.4	037	2.20	77.2	76.57	77.85	73.39	0.00	12.93
7/28/20 7:00	0.8	318.4	037	2.02	75.7	74.78	76.62	79.97	0.00	12.93
7/28/20 8:00	3.3	296.0	020	8.34	79.8	76.57	81.30	72.96	0.00	13.26
7/28/20 9:00	7.4	308.9	016	14.52	81.5	80.40	82.30	67.28	0.00	13.54
7/28/20 10:00	9.0	310.4	015	17.95	82.6	81.80	83.90	64.35	0.00	13.52
7/28/20 11:00	8.4	310.6	016	14.89	84.7	83.50	85.90	59.72	0.00	13.49
7/28/20 12:00	8.8	307.2	020	17.50	85.3	84.30	86.70	57.94	0.00	13.46
7/28/20 13:00	8.4	304.7	023	17.13	86.5	85.80	87.80	57.21	0.00	13.46
7/28/20 14:00	9.1	306.7	024	18.69	87.8	86.40	89.30	54.18	0.00	13.44
7/28/20 15:00	8.9	295.3	023	16.35	88.9	87.70	90.30	51.5	0.00	13.43
7/28/20 16:00	9.2	309.0	019	16.72	89.2	88.30	90.20	51.87	0.00	13.43
7/28/20 17:00	8.3	320.4	019	16.76	88.5	87.40	90.30	52.86	0.00	13.43
7/28/20 18:00	7.9	319.1	018	13.42	87.8	86.80	88.50	52.35	0.00	13.43
7/28/20 19:00	6.5	320.9	019	12.50	85.2	83.90	87.10	55.05	0.00	13.43
7/28/20 20:00	4.2	300.9	018	9.02	83.7	83.40	84.00	57.31	0.00	13.44
7/28/20 21:00	2.4	314.8	020	7.42	81.9	79.73	83.40	61.84	0.00	13.36
7/28/20 22:00	1.8	283.7	024	4.35	80.0	79.62	80.60	66.97	0.00	13.23

7/28/20 23:00	1.8	261.6	025	3.85	79.1	78.42	79.92	71.48	0.00	13.13
7/29/20 0:00	2.5	261.5	015	4.86	77.9	77.20	78.60	75.49	0.00	13.06
7/29/20 1:00	2.2	244.7	024	4.76	76.3	75.34	77.39	82.3	0.00	13.01
7/29/20 2:00	1.7	295.9	024	4.95	74.4	73.48	75.34	90.9	0.00	12.99
7/29/20 3:00	3.8	322.3	015	7.83	74.7	74.47	75.02	89.7	0.00	12.98
7/29/20 4:00	2.4	311.9	011	5.54	73.5	72.88	74.56	92.3	0.00	12.97
7/29/20 5:00	0.2	336.0	042	1.83	72.5	71.76	73.19	93.5	0.00	12.95
7/29/20 6:00	0.8	351.3	025	2.57	71.6	70.21	72.83	92	0.00	12.94
7/29/20 7:00	1.0	337.0	022	2.24	71.3	70.93	71.91	93.7	0.00	12.94
7/29/20 8:00	2.8	336.0	012	6.05	74.0	71.66	75.75	83.3	0.00	13.31
7/29/20 9:00	3.4	336.5	017	6.78	77.8	75.76	80.10	68.2	0.00	13.59
7/29/20 10:00	2.5	343.6	037	6.96	81.7	80.00	83.60	57.64	0.00	13.52
7/29/20 11:00	2.9	346.9	054	8.02	84.5	83.30	86.30	46.69	0.00	13.49
7/29/20 12:00	2.9	5.9	044	8.15	86.1	85.20	87.00	41.59	0.00	13.46
7/29/20 13:00	2.6	35.7	080	6.73	87.1	86.10	88.40	41.17	0.00	13.44
7/29/20 14:00	4.2	275.0	045	12.27	88.4	87.20	89.20	40.46	0.00	13.43
7/29/20 15:00	4.4	256.5	040	10.31	89.2	88.40	90.00	35.18	0.00	13.43
7/29/20 16:00	3.7	247.0	053	11.27	89.9	89.10	90.50	36.01	0.00	13.43
7/29/20 17:00	4.0	229.6	038	11.59	89.9	89.00	90.60	37.34	0.00	13.41
7/29/20 18:00	3.7	234.2	034	9.02	89.8	89.40	90.30	37.98	0.00	13.4
7/29/20 19:00	3.2	252.3	031	7.24	89.3	88.70	89.90	38.47	0.00	13.4
7/29/20 20:00	2.4	239.4	024	6.92	88.0	86.30	89.40	40.6	0.00	13.41
7/29/20 21:00	0.9	186.7	026	3.25	84.1	82.70	86.30	49.13	0.00	13.27
7/29/20 22:00	1.0	180.9	030	3.16	81.9	80.80	82.80	54.49	0.00	13.16
7/29/20 23:00	1.3	195.2	022	4.08	80.3	79.78	80.80	58.73	0.00	13.08
7/30/20 0:00	1.3	176.5	030	3.62	79.1	78.04	79.78	64.08	0.00	13.03
7/30/20 1:00	1.0	136.7	033	2.79	77.7	77.35	78.04	71.83	0.00	13
7/30/20 2:00	0.5	137.0	036	2.02	76.8	76.38	77.46	78.18	0.00	12.98
7/30/20 3:00	0.9	355.4	053	2.57	75.9	75.14	76.38	83.8	0.00	12.97
7/30/20 4:00	0.7	289.0	030	2.70	75.2	74.98	75.88	88.4	0.00	12.95
7/30/20 5:00	0.5	278.8	029	2.89	74.1	73.12	75.11	91.7	0.00	12.94
7/30/20 6:00	1.1	334.1	029	2.70	73.2	72.48	73.82	93.8	0.00	12.93
7/30/20 7:00	1.4	54.8	035	2.79	71.9	71.14	72.97	95.6	0.00	12.92
7/30/20 8:00	1.3	7.1	023	3.34	73.9	72.37	76.66	90.7	0.00	13.3
7/30/20 9:00	0.8	185.8	077	2.84	81.1	76.64	84.30	70.37	0.00	13.56
7/30/20 10:00	3.6	327.8	019	6.14	84.7	83.30	86.20	54.49	0.00	13.5
7/30/20 11:00	2.7	317.8	040	6.32	87.8	86.00	89.60	47.77	0.00	13.44
7/30/20 12:00	2.2	21.5	061	6.09	89.7	88.80	91.00	44.95	0.00	13.43
7/30/20 13:00	2.9	242.6	073	9.25	91.2	90.20	92.40	40.95	0.00	13.41
7/30/20 14:00	3.8	214.8	054	12.09	92.5	91.90	93.30	35.81	0.00	13.4
7/30/20 15:00	4.5	203.1	041	12.46	92.9	91.70	94.10	39.34	0.00	13.38
7/30/20 16:00	4.5	226.0	043	12.27	93.3	91.50	94.60	40.4	0.00	13.38

7/30/20 17:00	3.4	226.3	034	8.66	90.9	90.50	91.50	45.41	0.00	13.38
7/30/20 18:00	2.9	229.7	033	7.56	89.8	89.40	90.70	48.57	0.00	13.4
7/30/20 19:00	2.7	236.2	028	7.60	89.2	88.50	89.50	51.57	0.00	13.43
7/30/20 20:00	4.1	216.0	028	24.50	87.0	81.80	88.60	61.2	0.00	13.32
7/30/20 21:00	6.7	232.8	044	23.31	74.7	72.55	81.80	87.5	0.05	13.2
7/30/20 22:00	1.9	157.4	092	5.59	71.5	70.60	72.63	93.2	0.04	13.11
7/30/20 23:00	2.0	359.3	054	6.05	71.0	70.67	71.53	98.3	0.01	13.05
7/31/20 0:00	1.6	32.6	027	4.81	71.3	71.11	71.51	98.2	0.01	13
7/31/20 1:00	1.0	145.1	024	4.08	71.2	70.95	71.70	99.1	0.02	12.98
7/31/20 2:00	1.1	27.8	011	2.29	71.9	71.64	72.04	99	0.02	12.97
7/31/20 3:00	2.3	35.7	015	4.86	71.7	71.57	71.98	99.9	0.00	12.96
7/31/20 4:00	1.0	52.5	033	2.79	71.7	71.60	71.87	100	0.00	12.94
7/31/20 5:00	0.6	55.6	036	2.24	71.8	71.62	71.98	100	0.08	12.93
7/31/20 6:00	1.2	57.5	017	2.75	71.6	71.56	71.79	100	0.07	12.92
7/31/20 7:00	1.1	42.9	035	3.34	71.6	71.44	71.66	99.9	0.01	12.92
7/31/20 8:00	1.8	346.5	032	4.12	71.2	71.00	71.62	99.3	0.18	12.95
7/31/20 9:00	1.1	352.8	030	3.85	71.4	71.01	71.96	98.8	0.04	13.16
7/31/20 10:00	1.1	28.0	029	4.26	72.5	71.89	72.70	96.8	0.01	13.63
7/31/20 11:00	1.2	49.1	032	3.34	73.0	72.54	73.99	93.2	0.01	13.63
7/31/20 12:00	1.3	27.7	033	3.57	74.4	74.01	74.96	91.2	0.00	13.61
7/31/20 13:00	1.1	28.9	054	4.26	75.4	74.87	76.50	89.2	0.00	13.61
7/31/20 14:00	1.2	122.4	037	4.08	75.8	75.00	76.53	88.4	0.01	13.58
7/31/20 15:00	1.4	131.1	038	4.81	75.9	75.33	76.34	90.5	0.00	13.58
7/31/20 16:00	2.0	123.2	028	4.81	76.5	75.87	76.98	86.4	0.00	13.58
7/31/20 17:00	1.8	136.4	072	6.28	77.6	74.99	78.64	83	0.05	13.55
7/31/20 18:00	0.7	348.0	041	2.24	75.0	74.86	75.32	93.4	0.00	13.55
7/31/20 19:00	0.9	351.8	028	2.52	75.3	75.00	75.62	93.3	0.01	13.55
7/31/20 20:00	0.5	15.0	071	1.83	75.2	75.03	75.55	95.4	0.00	13.58
7/31/20 21:00	1.1	70.1	052	2.43	74.1	73.47	75.06	98	0.00	13.39
7/31/20 22:00	1.8	125.6	023	5.95	73.8	73.15	74.15	98.1	0.01	13.27
7/31/20 23:00	0.7	209.7	060	2.98	73.1	72.98	73.19	97.9	0.00	13.18