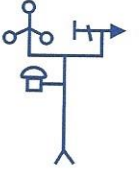




# TECHNICAL ENVIRONMENTAL SERVICES, LLC



September 12, 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 August 2020. All the instrumentation functioned normally during August apart from the rain gauge which did not register rainfall after the first week in August. It will be checked the next time we are on site. Data recovery for all the parameters was near 100%. August had a precipitation total of 2.81 inches.

Attached is a wind rose for the month of August 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: 9/11/2020 4:18:13 PM

### WIND ROSE

(WINDS FROM)

N  
↑

0.00% PERCENT CALMS  
(NOT INCLUDED IN PLOT)

Start Date: 8/1/2020 00:00

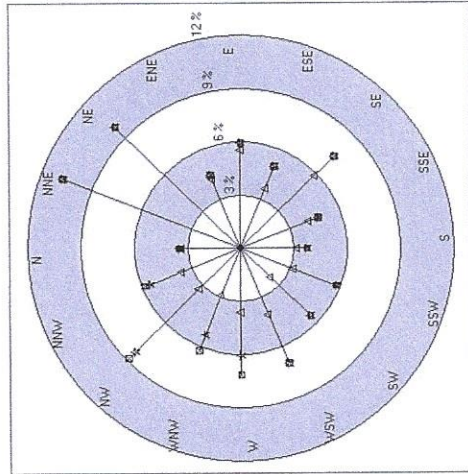
End Date: 8/31/2020 23:00

Sensors Selected

SNLWS  
SNLWD

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



GUDE DRIVE METEOROLOGICAL TOWER  
DATA RECOVERY  
JANUARY-AUGUST 2020

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

Date Time	Avg_WS (MPH)	Avg_WD (DEG)	Sigma (DEG)	Max_Wspd (MPH)	Avg_Temp (DEG F)	Min_Temp (DEG F)	Max_Temp (DEG F)	Avg_RelH (%)	Total_Rain (INCH)	
8/1/20 0:00	2.1	354.2	017	4.12	72.8	72.47	73.09	98.7	0.00	13.1
8/1/20 1:00	0.8	4.4	051	2.89	72.8	72.57	73.01	98.7	0.00	13.04
8/1/20 2:00	0.8	35.4	033	2.24	72.5	71.59	72.91	99	0.00	13.01
8/1/20 3:00	1.3	30.6	024	2.61	71.7	71.08	72.04	99.7	0.00	12.99
8/1/20 4:00	1.3	12.1	022	2.93	71.2	70.78	71.66	99.6	0.00	12.98
8/1/20 5:00	1.0	40.3	034	2.66	70.3	69.38	70.86	99.7	0.00	12.97
8/1/20 6:00	1.2	51.1	027	2.79	69.7	69.35	69.97	100	0.00	12.95
8/1/20 7:00	0.5	30.5	035	1.97	69.4	68.37	70.22	100	0.00	12.95
8/1/20 8:00	0.5	54.2	040	2.29	71.4	70.17	72.49	99.4	0.00	13.28
8/1/20 9:00	0.7	347.1	029	2.34	73.4	72.49	74.09	96.9	0.00	13.66
8/1/20 10:00	1.3	124.9	031	4.81	75.6	74.11	76.91	93.1	0.00	13.61
8/1/20 11:00	2.4	134.3	030	5.54	78.2	76.95	79.30	83.6	0.00	13.56
8/1/20 12:00	2.6	124.5	041	7.60	80.6	78.86	81.80	76.02	0.00	13.52
8/1/20 13:00	2.7	165.6	044	7.69	82.3	81.50	83.90	69.92	0.00	13.49
8/1/20 14:00	2.9	163.5	038	6.96	82.6	81.50	83.90	68.13	0.00	13.49
8/1/20 15:00	3.6	170.4	039	12.78	83.5	82.60	83.90	66.2	0.00	13.49
8/1/20 16:00	2.9	133.4	023	8.02	82.7	81.70	84.40	69.16	0.00	13.49
8/1/20 17:00	3.5	135.8	025	7.65	83.2	82.70	84.10	68.69	0.00	13.49
8/1/20 18:00	4.6	134.5	023	10.21	82.9	81.80	84.40	68.93	0.00	13.49
8/1/20 19:00	3.6	137.1	019	8.93	81.6	81.40	81.80	71.55	0.00	13.49
8/1/20 20:00	4.0	129.6	018	8.02	80.5	79.34	81.50	74.49	0.00	13.42
8/1/20 21:00	3.7	127.8	020	8.20	78.8	78.21	79.37	80.5	0.00	13.28
8/1/20 22:00	3.2	154.3	026	10.17	79.1	78.68	79.37	79.03	0.00	13.17
8/1/20 23:00	3.4	151.4	022	9.89	78.4	78.06	78.71	83.7	0.00	13.09
8/2/20 0:00	2.7	144.0	023	6.32	77.8	77.47	78.18	88.2	0.00	13.03
8/2/20 1:00	3.2	142.6	020	8.52	77.7	77.50	77.85	90.4	0.00	13
8/2/20 2:00	3.4	147.3	026	8.11	77.7	77.62	77.88	91.9	0.00	12.99
8/2/20 3:00	3.4	150.3	025	9.34	77.8	77.63	77.95	92.7	0.00	12.97
8/2/20 4:00	3.1	163.9	029	6.87	77.3	77.11	77.67	93.8	0.00	12.96
8/2/20 5:00	3.1	177.1	031	10.12	77.4	77.24	77.49	92.6	0.00	12.95
8/2/20 6:00	3.2	187.4	028	8.52	77.3	77.24	77.42	92.4	0.00	12.94
8/2/20 7:00	2.9	196.8	033	8.29	77.2	77.17	77.44	92.5	0.00	12.93
8/2/20 8:00	3.3	199.4	029	9.07	77.5	77.38	77.69	90.9	0.00	13.03
8/2/20 9:00	3.8	215.9	033	9.07	78.2	77.62	79.04	87.9	0.00	13.59
8/2/20 10:00	3.8	203.7	036	9.02	80.1	78.50	81.70	82.8	0.00	13.54
8/2/20 11:00	4.2	203.9	031	10.12	81.5	81.10	82.10	79.35	0.00	13.52
8/2/20 12:00	4.9	204.0	034	12.05	83.9	81.70	85.40	74.25	0.00	13.49
8/2/20 13:00	5.2	197.2	032	11.54	86.2	85.40	87.10	68.65	0.00	13.46
8/2/20 14:00	6.6	226.2	031	17.54	87.7	86.40	88.80	60.64	0.00	13.46
8/2/20 15:00	7.1	209.7	032	16.21	88.8	87.90	89.70	56.88	0.00	13.43
8/2/20 16:00	7.3	209.2	033	19.74	88.7	87.50	89.70	58	0.00	13.43
8/2/20 17:00	6.6	235.9	031	15.98	88.8	87.40	90.20	59.75	0.00	13.43
8/2/20 18:00	6.7	218.4	029	15.98	89.4	88.30	90.20	56.98	0.00	13.43
8/2/20 19:00	7.3	222.6	028	18.92	89.1	88.10	89.80	54.5	0.00	13.43
8/2/20 20:00	5.7	221.4	026	13.60	87.1	85.90	88.10	56.95	0.00	13.43
8/2/20 21:00	4.2	229.1	022	8.89	84.8	84.00	85.90	61.29	0.00	13.28
8/2/20 22:00	2.7	203.7	029	8.15	82.8	82.20	84.00	66.61	0.00	13.17

8/2/20 23:00	3.9	234.7	038	11.50	81.9	80.40	82.40	69.31	0.00	13.09
8/3/20 0:00	3.2	290.4	036	11.91	79.9	78.91	80.70	73.37	0.00	13.03
8/3/20 1:00	2.2	348.4	033	6.23	78.1	77.13	79.07	73.19	0.00	12.99
8/3/20 2:00	3.2	319.8	019	9.85	77.4	77.09	77.92	64.46	0.00	12.98
8/3/20 3:00	3.8	317.6	014	7.97	76.8	76.37	77.24	62.24	0.00	12.97
8/3/20 4:00	2.1	315.1	025	5.77	76.0	75.59	76.57	62.65	0.00	12.96
8/3/20 5:00	2.2	330.2	018	5.73	75.4	74.78	75.92	63.93	0.00	12.95
8/3/20 6:00	2.5	296.0	017	6.28	74.5	74.29	74.75	66.14	0.00	12.94
8/3/20 7:00	2.2	311.9	018	6.28	74.0	73.58	74.39	67.7	0.00	12.93
8/3/20 8:00	3.0	317.9	014	7.65	74.0	73.64	74.22	69.04	0.00	13.08
8/3/20 9:00	2.8	338.6	025	7.60	75.1	74.02	75.85	68.04	0.00	13.63
8/3/20 10:00	2.0	350.9	050	7.47	76.7	75.58	78.12	64.27	0.00	13.57
8/3/20 11:00	2.0	29.0	042	5.08	77.9	77.17	79.54	64.52	0.00	13.55
8/3/20 12:00	2.1	334.8	063	6.92	80.2	79.15	80.80	59.86	0.00	13.52
8/3/20 13:00	2.3	81.6	082	6.87	82.6	80.90	84.50	54.76	0.00	13.47
8/3/20 14:00	2.8	173.7	072	8.24	84.6	82.50	86.10	53.52	0.00	13.46
8/3/20 15:00	3.6	153.3	034	10.26	84.9	84.20	85.60	54.7	0.00	13.46
8/3/20 16:00	3.0	181.5	054	7.51	83.6	82.40	84.80	58.92	0.00	13.46
8/3/20 17:00	2.7	178.8	033	7.74	80.4	77.96	82.40	70.54	0.01	13.46
8/3/20 18:00	4.3	159.5	036	20.47	72.6	70.29	77.96	91.4	0.33	13.44
8/3/20 19:00	2.2	156.7	027	6.69	70.2	69.89	70.70	97.7	0.02	13.65
8/3/20 20:00	1.6	167.9	032	5.54	70.6	70.46	70.85	97.4	0.04	13.53
8/3/20 21:00	2.6	123.0	022	6.28	70.5	70.25	70.65	98.9	0.00	13.38
8/3/20 22:00	2.1	175.4	033	7.05	71.1	70.62	71.47	99.3	0.01	13.26
8/3/20 23:00	2.6	226.6	030	7.60	71.4	71.17	71.53	98.3	0.00	13.17
8/4/20 0:00	2.0	150.2	025	6.96	71.1	70.97	71.24	99	0.01	13.09
8/4/20 1:00	1.9	145.8	022	5.95	71.3	71.08	71.35	99.3	0.01	13.03
8/4/20 2:00	1.8	140.2	021	4.08	71.3	71.20	71.42	99.4	0.03	12.99
8/4/20 3:00	2.4	120.4	018	6.09	71.1	70.82	71.34	99.5	0.03	12.98
8/4/20 4:00	3.1	108.2	016	6.41	70.0	69.39	70.85	98.9	0.12	12.97
8/4/20 5:00	2.4	94.0	026	5.22	69.3	69.03	69.49	99.5	0.11	12.96
8/4/20 6:00	2.6	70.5	031	6.73	68.9	68.84	69.06	99.9	0.11	12.94
8/4/20 7:00	3.3	24.5	031	11.45	68.8	68.56	69.02	99.9	0.36	12.93
8/4/20 8:00	5.3	349.5	025	13.42	68.5	68.27	68.81	99.2	0.38	12.92
8/4/20 9:00	6.2	345.1	022	15.71	68.8	68.54	68.93	98.5	0.67	12.92
8/4/20 10:00	6.2	346.0	024	13.37	68.8	68.54	69.04	98.1	0.24	13.1
8/4/20 11:00	6.9	347.4	036	17.86	69.0	68.63	69.97	94.9	0.02	13.71
8/4/20 12:00	9.1	307.5	015	17.50	70.8	69.93	72.53	93.4	0.00	13.67
8/4/20 13:00	9.0	296.5	017	15.98	74.4	72.42	75.19	85.5	0.00	13.61
8/4/20 14:00	8.4	280.3	023	17.59	77.3	74.64	79.13	78.05	0.00	13.58
8/4/20 15:00	6.6	277.2	024	13.60	80.2	78.75	82.60	70.67	0.00	13.55
8/4/20 16:00	6.0	261.8	027	14.61	82.3	80.60	83.80	65.5	0.02	13.54
8/4/20 17:00	3.8	256.3	024	9.11	81.8	79.98	84.10	70.94	0.02	13.54
8/4/20 18:00	4.1	257.6	027	9.30	85.0	83.90	85.60	59.07	0.00	13.49
8/4/20 19:00	4.1	250.2	029	9.43	84.6	83.20	85.80	59.98	0.00	13.49
8/4/20 20:00	3.0	234.7	027	8.06	82.3	81.40	83.20	65.34	0.00	13.49
8/4/20 21:00	1.4	251.6	077	3.85	78.6	76.10	81.70	76.54	0.00	13.36
8/4/20 22:00	1.4	242.2	040	4.03	77.1	76.44	78.14	79.96	0.00	13.24
8/4/20 23:00	1.0	160.1	081	3.02	75.1	73.27	76.42	86.1	0.00	13.15

8/5/20 0:00	2.4	318.0	067	6.14	74.9	74.15	75.70	83.1	0.00	13.07
8/5/20 1:00	1.0	20.3	037	3.76	73.5	71.98	75.47	75.52	0.00	13.02
8/5/20 2:00	0.8	349.5	024	3.99	71.7	70.58	73.07	78.75	0.00	12.99
8/5/20 3:00	0.6	2.1	032	2.20	69.9	69.29	71.04	86	0.00	12.98
8/5/20 4:00	0.9	39.2	032	3.16	68.3	67.05	69.62	91.3	0.00	12.97
8/5/20 5:00	2.0	344.3	012	3.99	68.4	66.78	69.38	86.9	0.00	12.95
8/5/20 6:00	0.8	80.3	035	2.15	67.5	66.48	69.42	87.3	0.00	12.94
8/5/20 7:00	1.9	4.9	041	4.63	67.1	65.93	67.95	88.1	0.00	12.94
8/5/20 8:00	4.4	334.7	018	10.53	69.9	67.73	71.52	79.3	0.00	13.23
8/5/20 9:00	3.0	341.9	023	6.14	73.1	71.49	74.67	72.55	0.00	13.66
8/5/20 10:00	2.8	339.1	033	6.60	76.2	74.64	77.66	65.37	0.00	13.6
8/5/20 11:00	3.7	343.6	041	8.34	78.0	77.20	78.75	60.06	0.00	13.55
8/5/20 12:00	3.7	328.9	041	9.07	79.9	78.40	80.70	55.68	0.00	13.53
8/5/20 13:00	4.8	304.0	037	11.31	81.4	80.50	82.00	52.72	0.00	13.52
8/5/20 14:00	5.0	303.8	040	12.27	82.3	81.40	83.10	52.54	0.00	13.51
8/5/20 15:00	5.0	314.7	033	11.68	82.8	81.90	83.70	52.76	0.00	13.49
8/5/20 16:00	3.3	270.0	049	8.11	83.6	82.60	85.30	51.56	0.00	13.46
8/5/20 17:00	1.9	24.2	053	6.96	83.0	81.90	84.20	56.09	0.00	13.46
8/5/20 18:00	2.0	40.4	031	5.04	83.5	82.10	84.50	55.92	0.00	13.46
8/5/20 19:00	1.7	61.2	025	4.40	82.3	81.80	82.70	60.14	0.00	13.46
8/5/20 20:00	1.5	76.4	018	3.11	79.8	77.76	82.30	66.86	0.00	13.46
8/5/20 21:00	1.7	58.0	019	2.70	76.8	74.12	77.95	70.13	0.00	13.32
8/5/20 22:00	1.0	84.0	044	2.66	73.9	72.70	75.83	82.3	0.00	13.21
8/5/20 23:00	2.0	112.8	038	5.27	75.0	73.87	75.92	80.2	0.00	13.12
8/6/20 0:00	2.0	32.5	034	3.80	73.7	72.21	76.13	87.3	0.00	13.06
8/6/20 1:00	1.1	53.8	031	2.66	72.1	71.50	72.50	94.3	0.00	13.01
8/6/20 2:00	0.9	346.7	033	4.17	71.2	70.84	71.59	96.7	0.00	12.98
8/6/20 3:00	1.2	35.1	037	4.53	71.7	71.19	72.12	93.4	0.00	12.97
8/6/20 4:00	2.7	291.0	043	13.51	71.5	71.06	72.51	95.6	0.15	12.96
8/6/20 5:00	1.3	24.9	043	4.21	71.1	70.96	71.43	98.6	0.03	12.95
8/6/20 6:00	2.1	107.5	073	6.96	70.8	70.59	71.01	99.3	0.01	12.93
8/6/20 7:00	1.9	15.6	041	4.72	70.5	70.39	70.74	98.8	0.03	12.93
8/6/20 8:00	1.9	21.2	039	6.18	71.0	70.58	71.36	98.8	0.01	13
8/6/20 9:00	1.5	30.8	054	4.26	71.9	71.35	72.27	96.4	0.00	13.65
8/6/20 10:00	1.4	42.9	041	6.23	73.6	72.07	76.64	92.3	0.00	13.64
8/6/20 11:00	2.5	70.0	045	6.18	76.6	75.51	78.52	83.4	0.00	13.58
8/6/20 12:00	2.8	89.3	035	6.82	78.7	77.78	79.76	75.73	0.00	13.52
8/6/20 13:00	3.1	88.2	044	8.02	79.5	78.65	81.20	74.6	0.00	13.52
8/6/20 14:00	3.8	83.7	030	8.02	81.1	79.79	82.10	71.13	0.00	13.52
8/6/20 15:00	4.0	105.0	035	9.94	82.2	80.10	83.80	68.79	0.00	13.49
8/6/20 16:00	4.1	111.3	036	9.62	83.4	82.50	84.20	63.91	0.00	13.46
8/6/20 17:00	4.2	105.5	034	9.30	82.6	80.90	83.70	66	0.00	13.46
8/6/20 18:00	4.3	127.0	018	8.79	79.6	79.05	80.90	72.74	0.00	13.46
8/6/20 19:00	3.7	115.0	023	10.40	77.4	75.23	79.14	80.8	0.01	13.53
8/6/20 20:00	3.0	114.3	024	10.81	75.0	74.53	75.44	90.4	0.00	13.52
8/6/20 21:00	3.4	127.6	019	9.16	74.4	74.05	75.10	89.9	0.00	13.35
8/6/20 22:00	3.3	131.6	019	10.67	73.7	73.40	74.12	94	0.00	13.24
8/6/20 23:00	1.5	110.3	065	3.39	73.2	72.28	73.64	94.5	0.00	13.15
8/7/20 0:00	1.3	3.6	049	3.44	72.2	72.08	72.34	99.2	0.00	13.08

8/7/20 1:00	1.2	298.0	071	3.53	72.6	72.28	72.97	97.9	0.00	13.02
8/7/20 2:00	1.5	49.0	053	4.35	72.3	72.17	72.49	98.7	0.00	12.98
8/7/20 3:00	1.0	60.6	064	3.80	72.3	71.39	73.11	96.2	0.00	12.98
8/7/20 4:00	1.5	91.4	025	3.34	71.3	70.88	71.55	98.5	0.00	12.97
8/7/20 5:00	1.9	96.1	030	3.34	70.8	70.48	71.12	98.5	0.00	12.96
8/7/20 6:00	1.3	150.0	020	4.03	70.6	70.50	70.76	98.8	0.00	12.94
8/7/20 7:00	1.2	111.1	025	2.89	71.0	70.66	71.54	97.8	0.00	12.94
8/7/20 8:00	1.1	50.5	026	3.76	72.5	71.30	73.51	95.2	0.00	13.23
8/7/20 9:00	1.3	98.8	026	3.25	74.1	73.00	76.20	92.2	0.00	13.66
8/7/20 10:00	1.5	180.5	070	5.36	76.9	75.47	78.57	79.14	0.00	13.6
8/7/20 11:00	2.1	183.8	046	7.60	78.3	77.09	79.77	75.54	0.00	13.55
8/7/20 12:00	3.8	156.0	043	10.21	80.7	79.62	81.60	68.46	0.00	13.5
8/7/20 13:00	3.5	190.6	039	10.44	81.2	79.84	82.50	67.31	0.00	13.49
8/7/20 14:00	4.0	187.5	038	12.14	82.1	81.10	83.70	64.75	0.00	13.49
8/7/20 15:00	4.2	213.3	045	9.98	83.2	82.00	84.00	63.6	0.00	13.49
8/7/20 16:00	4.2	226.4	037	10.95	84.4	83.20	85.20	62.13	0.00	13.46
8/7/20 17:00	4.4	234.1	034	10.53	83.7	82.80	85.10	64.23	0.00	13.46
8/7/20 18:00	4.4	261.3	027	8.93	83.9	82.70	85.50	64.95	0.00	13.46
8/7/20 19:00	4.1	256.7	026	9.21	82.9	81.40	84.70	65.69	0.00	13.46
8/7/20 20:00	3.1	273.6	060	7.05	80.6	77.20	81.90	73.06	0.00	13.42
8/7/20 21:00	4.4	72.3	032	11.31	74.3	71.95	78.31	88.9	0.00	13.28
8/7/20 22:00	2.8	78.9	032	8.02	71.7	71.40	72.07	94.3	0.00	13.17
8/7/20 23:00	2.5	88.6	028	7.51	70.9	70.10	71.46	94.8	0.00	13.09
8/8/20 0:00	1.7	86.2	026	4.63	70.0	69.91	70.20	97.3	0.00	13.03
8/8/20 1:00	0.7	83.4	038	2.57	70.0	69.74	70.11	97.4	0.00	12.99
8/8/20 2:00	1.0	12.8	044	2.34	69.8	69.65	70.04	97.6	0.00	12.97
8/8/20 3:00	1.2	3.4	048	4.44	69.9	69.63	70.06	97.6	0.00	12.96
8/8/20 4:00	1.3	17.5	028	4.40	69.9	69.48	70.05	97.1	0.00	12.96
8/8/20 5:00	1.5	19.6	040	4.17	69.0	68.73	69.50	98.2	0.00	12.94
8/8/20 6:00	0.9	79.8	043	2.24	68.7	68.62	68.96	98.5	0.00	12.92
8/8/20 7:00	0.9	15.2	027	3.71	69.1	68.91	69.33	97.4	0.00	12.92
8/8/20 8:00	1.6	17.6	031	5.27	69.6	69.27	70.28	96.1	0.00	12.98
8/8/20 9:00	1.5	35.8	040	5.18	72.1	70.24	73.60	90	0.00	13.66
8/8/20 10:00	1.6	108.8	009	4.67	72.9	72.35	73.50	88.1	0.00	13.63
8/8/20 11:00	1.5	73.9	082	4.17	74.7	73.36	75.42	82.2	0.00	13.61
8/8/20 12:00	1.0	85.7	062	3.94	76.5	75.08	77.68	76.78	0.00	13.58
8/8/20 13:00	2.4	309.4	042	6.41	77.4	76.51	78.56	74.51	0.00	13.57
8/8/20 14:00	1.9	2.3	049	4.95	78.4	77.29	79.14	72.74	0.00	13.55
8/8/20 15:00	1.8	18.6	057	5.54	79.3	78.66	79.80	70.68	0.00	13.54
8/8/20 16:00	1.5	19.4	044	4.72	79.8	78.65	81.60	69.54	0.00	13.52
8/8/20 17:00	1.4	326.9	070	5.54	81.3	80.20	83.20	66.11	0.00	13.52
8/8/20 18:00	2.4	312.0	030	6.09	82.2	81.40	83.20	63.88	0.00	13.49
8/8/20 19:00	0.7	330.1	059	2.38	83.2	82.20	84.20	61.63	0.00	13.49
8/8/20 20:00	0.7	16.1	026	2.06	80.6	78.49	83.00	70.7	0.00	13.49
8/8/20 21:00	1.2	8.9	024	3.02	76.4	74.04	78.58	80.6	0.00	13.32
8/8/20 22:00	1.3	42.9	010	2.20	73.4	72.34	74.14	89.7	0.00	13.21
8/8/20 23:00	1.2	37.5	051	4.12	72.1	71.12	72.92	95.2	0.00	13.13
8/9/20 0:00	1.2	46.5	021	2.79	71.1	70.12	72.59	96.3	0.00	13.06
8/9/20 1:00	1.3	52.6	035	2.79	70.3	69.58	71.04	98.5	0.00	13.01

8/9/20 2:00	0.8	62.2	037	3.11	69.4	68.79	69.95	99.3	0.00	12.98
8/9/20 3:00	1.0	60.3	017	2.61	69.4	68.59	69.94	99	0.00	12.97
8/9/20 4:00	0.9	331.7	043	2.66	69.5	68.27	70.67	99.6	0.00	12.96
8/9/20 5:00	1.4	48.0	018	3.34	69.6	68.08	71.24	98.3	0.00	12.95
8/9/20 6:00	0.8	11.8	026	2.15	68.7	67.53	70.23	99.5	0.00	12.93
8/9/20 7:00	1.1	28.9	043	3.66	69.5	68.56	70.32	98.6	0.00	12.92
8/9/20 8:00	1.4	259.2	023	5.54	72.3	69.89	73.60	95.3	0.00	13.16
8/9/20 9:00	2.1	224.5	029	6.60	75.2	73.32	77.61	91.7	0.00	13.64
8/9/20 10:00	2.5	246.2	041	5.91	79.2	77.05	82.00	83.2	0.00	13.56
8/9/20 11:00	3.8	267.1	034	9.30	81.3	80.20	83.10	76.29	0.00	13.52
8/9/20 12:00	4.1	272.4	040	8.43	82.9	81.50	84.10	69.33	0.00	13.5
8/9/20 13:00	3.1	266.5	047	8.52	84.2	82.90	86.10	63.05	0.00	13.49
8/9/20 14:00	2.9	291.1	059	7.56	85.7	84.40	87.80	59.39	0.00	13.46
8/9/20 15:00	3.6	292.3	052	8.47	86.6	85.30	88.20	57.77	0.00	13.46
8/9/20 16:00	3.7	283.4	038	9.94	87.9	86.40	88.60	55.34	0.00	13.43
8/9/20 17:00	2.5	274.7	066	8.15	87.3	85.70	88.60	55.82	0.00	13.43
8/9/20 18:00	3.0	321.5	027	7.92	87.2	85.40	88.60	55.15	0.00	13.43
8/9/20 19:00	2.7	277.4	031	7.24	87.4	86.30	89.10	54.59	0.00	13.43
8/9/20 20:00	1.5	301.5	043	4.03	85.3	82.70	86.90	58.82	0.00	13.43
8/9/20 21:00	1.9	205.5	030	6.37	81.5	80.80	82.70	75.43	0.00	13.27
8/9/20 22:00	1.5	148.3	030	3.39	79.7	78.52	80.80	80.7	0.00	13.17
8/9/20 23:00	1.0	131.3	011	2.70	78.5	78.18	78.74	83.4	0.00	13.08
8/10/20 0:00	0.9	128.3	016	2.24	77.2	76.23	78.22	87.4	0.00	13.02
8/10/20 1:00	1.0	109.5	018	1.70	76.4	75.59	77.17	90.4	0.00	12.99
8/10/20 2:00	1.2	188.6	026	5.13	75.8	75.40	76.16	91.7	0.00	12.97
8/10/20 3:00	0.7	172.6	022	4.03	75.3	74.82	75.85	92.4	0.00	12.97
8/10/20 4:00	0.8	152.9	024	3.39	74.3	73.14	75.01	94	0.00	12.96
8/10/20 5:00	0.5	297.8	065	2.52	73.3	72.50	73.93	96.2	0.00	12.94
8/10/20 6:00	1.0	281.8	024	4.12	73.0	72.56	73.36	96.3	0.00	12.92
8/10/20 7:00	0.5	34.1	044	1.65	72.3	71.98	72.89	97.4	0.00	12.92
8/10/20 8:00	0.4	45.3	048	3.30	75.5	72.41	78.59	90.4	0.00	13.16
8/10/20 9:00	1.2	235.9	045	4.21	79.2	77.47	80.80	84.8	0.00	13.6
8/10/20 10:00	2.3	322.5	036	5.77	82.3	80.70	83.50	76.62	0.00	13.52
8/10/20 11:00	2.2	320.4	042	6.09	85.0	83.50	86.10	69.58	0.00	13.47
8/10/20 12:00	1.9	9.3	071	6.28	87.0	85.90	88.90	61.8	0.00	13.46
8/10/20 13:00	1.1	33.0	063	3.48	87.5	85.90	89.40	57.64	0.00	13.46
8/10/20 14:00	1.5	90.0	067	5.86	88.8	87.70	90.00	53.52	0.00	13.44
8/10/20 15:00	2.1	65.1	063	5.31	88.8	87.00	90.60	54.83	0.00	13.41
8/10/20 16:00	3.4	185.7	054	9.98	89.0	86.70	90.70	53.86	0.00	13.41
8/10/20 17:00	2.8	194.7	036	7.79	90.4	90.00	91.10	45.88	0.00	13.4
8/10/20 18:00	2.7	131.1	031	5.68	90.2	89.40	91.40	47.45	0.00	13.4
8/10/20 19:00	3.8	153.8	028	11.08	85.9	84.90	89.60	59.67	0.00	13.4
8/10/20 20:00	3.1	140.7	024	7.88	83.5	81.50	85.30	65.07	0.00	13.43
8/10/20 21:00	2.0	137.6	023	5.08	80.6	79.96	81.50	74.69	0.00	13.27
8/10/20 22:00	1.9	153.0	022	4.99	79.8	79.40	80.20	80.3	0.00	13.16
8/10/20 23:00	1.8	166.6	031	4.72	79.2	78.52	79.65	80.8	0.00	13.08
8/11/20 0:00	1.2	117.3	032	2.79	77.6	76.73	78.56	84.8	0.00	13.02
8/11/20 1:00	1.9	111.7	026	3.57	76.0	75.13	77.01	91	0.00	12.98
8/11/20 2:00	1.9	123.8	013	4.35	75.5	75.16	75.91	94.5	0.00	12.97



8/11/20 3:00	0.6	104.0	035	2.84	75.0	74.69	75.44	95.9	0.00	12.97
8/11/20 4:00	1.3	73.8	038	2.98	74.6	73.74	75.40	96.9	0.00	12.96
8/11/20 5:00	1.5	98.3	028	2.75	73.9	73.45	74.27	98.7	0.00	12.94
8/11/20 6:00	1.1	116.2	015	2.52	73.8	73.36	74.05	99.4	0.00	12.93
8/11/20 7:00	1.0	123.1	018	2.47	73.8	73.55	74.63	98.6	0.00	12.92
8/11/20 8:00	2.3	84.3	052	5.04	74.5	73.05	76.20	95.8	0.00	13.23
8/11/20 9:00	2.2	134.0	025	5.59	78.1	76.20	79.87	88.1	0.00	13.6
8/11/20 10:00	2.7	145.8	038	6.37	80.8	79.04	83.00	81.9	0.00	13.55
8/11/20 11:00	2.3	194.8	043	8.47	83.5	82.10	84.80	74.8	0.00	13.51
8/11/20 12:00	3.6	205.7	045	9.25	85.5	84.60	86.40	69.04	0.00	13.46
8/11/20 13:00	3.7	206.4	043	9.62	86.5	85.10	87.70	65.78	0.00	13.42
8/11/20 14:00	3.8	214.7	037	10.26	87.4	86.30	88.60	61.08	0.00	13.41
8/11/20 15:00	4.1	208.4	044	11.18	88.2	86.70	89.70	59.11	0.00	13.4
8/11/20 16:00	4.2	220.7	041	9.94	89.9	88.50	91.00	55.18	0.00	13.4
8/11/20 17:00	4.0	217.5	048	9.71	89.3	87.50	90.50	56.57	0.00	13.4
8/11/20 18:00	4.3	216.0	043	13.92	89.2	88.50	90.30	58.14	0.00	13.4
8/11/20 19:00	5.0	198.2	029	11.22	87.9	86.90	88.50	61.32	0.00	13.4
8/11/20 20:00	3.1	197.4	031	9.89	86.1	85.20	86.80	65.67	0.00	13.41
8/11/20 21:00	2.4	199.0	029	6.18	84.3	83.40	85.20	69.73	0.00	13.25
8/11/20 22:00	1.9	178.4	023	5.86	82.9	82.30	83.60	73.86	0.00	13.14
8/11/20 23:00	2.0	194.2	024	4.67	82.2	81.70	82.60	77.26	0.00	13.06
8/12/20 0:00	2.8	216.3	028	7.01	81.5	81.10	81.80	78.44	0.00	13.01
8/12/20 1:00	1.6	238.3	027	5.22	80.2	79.39	81.10	79.25	0.00	12.98
8/12/20 2:00	1.2	177.7	030	4.35	78.6	77.79	79.57	84.3	0.00	12.97
8/12/20 3:00	1.4	201.8	025	4.95	78.3	77.96	78.61	85.7	0.00	12.97
8/12/20 4:00	1.6	239.6	037	4.99	77.7	77.28	77.98	88.4	0.00	12.96
8/12/20 5:00	3.1	262.8	025	10.63	76.7	75.85	77.60	88.9	0.00	12.94
8/12/20 6:00	4.3	259.6	022	11.40	75.3	74.77	75.84	85.8	0.00	12.93
8/12/20 7:00	2.7	283.5	041	7.01	74.2	73.87	74.75	90.3	0.00	12.92
8/12/20 8:00	2.0	310.0	032	6.64	75.5	74.61	76.16	86.7	0.00	13.09
8/12/20 9:00	2.1	338.7	028	5.31	76.2	75.91	76.69	85	0.00	13.62
8/12/20 10:00	2.6	344.5	025	6.23	79.4	76.66	82.60	78.4	0.00	13.55
8/12/20 11:00	2.2	353.3	064	6.64	84.0	82.40	85.60	69.53	0.00	13.48
8/12/20 12:00	2.2	71.3	079	6.00	86.4	84.90	87.80	66.85	0.00	13.44
8/12/20 13:00	2.4	137.7	062	6.96	87.9	86.60	89.00	63.89	0.00	13.41
8/12/20 14:00	3.6	170.8	041	10.58	88.7	87.80	89.80	62.15	0.00	13.4
8/12/20 15:00	3.9	226.6	050	10.31	88.4	87.20	89.70	63.23	0.00	13.4
8/12/20 16:00	3.3	259.8	037	9.11	88.3	87.70	89.60	62.46	0.00	13.4
8/12/20 17:00	2.5	58.7	090	8.98	90.3	86.50	92.60	57.99	0.00	13.38
8/12/20 18:00	6.2	128.7	034	15.21	80.6	74.61	86.50	81.1	0.01	13.38
8/12/20 19:00	5.6	116.2	030	14.93	72.8	72.11	74.59	96.4	0.00	13.39
8/12/20 20:00	1.5	339.0	053	5.13	73.0	72.74	73.16	95.9	0.00	13.25
8/12/20 21:00	1.7	303.9	086	5.27	73.2	72.93	73.61	97.4	0.00	13.15
8/12/20 22:00	1.2	81.3	048	3.57	72.7	72.54	72.96	98.6	0.00	13.07
8/12/20 23:00	1.2	135.3	077	3.16	72.3	72.08	72.77	99.4	0.00	13.01
8/13/20 0:00	1.4	25.5	029	3.53	72.2	71.88	72.53	99.2	0.00	12.98
8/13/20 1:00	1.4	48.9	029	4.53	71.9	71.72	72.12	99.5	0.00	12.97
8/13/20 2:00	1.5	34.3	024	5.27	71.8	71.67	71.93	99.5	0.00	12.96
8/13/20 3:00	1.4	52.9	032	3.89	71.7	71.50	71.90	99.4	0.00	12.95

8/13/20 4:00	1.2	54.9	032	3.57	71.7	71.49	71.89	99.6	0.00	12.94
8/13/20 5:00	0.7	39.7	031	3.21	72.0	71.83	72.14	99.6	0.00	12.92
8/13/20 6:00	1.0	7.5	029	4.40	72.1	71.98	72.24	99.6	0.00	12.91
8/13/20 7:00	1.2	28.0	025	3.48	72.2	72.09	72.50	99.5	0.00	12.91
8/13/20 8:00	0.8	46.1	034	3.02	72.5	72.44	72.65	99.3	0.00	13
8/13/20 9:00	1.2	49.9	027	3.76	72.6	72.49	72.79	99.6	0.00	13.07
8/13/20 10:00	2.2	129.6	027	7.10	73.0	72.79	73.14	99.7	0.00	13.14
8/13/20 11:00	1.5	146.4	038	5.86	73.1	72.93	73.63	98.3	0.00	13.41
8/13/20 12:00	1.9	90.0	033	5.77	74.7	73.56	75.66	94.8	0.00	13.63
8/13/20 13:00	2.0	70.9	029	4.76	76.1	75.15	76.79	89.2	0.00	13.6
8/13/20 14:00	2.5	87.6	039	7.56	77.8	76.68	78.94	82.4	0.00	13.57
8/13/20 15:00	3.0	106.2	034	6.92	79.4	78.65	80.20	78.92	0.00	13.54
8/13/20 16:00	4.4	114.8	031	10.53	81.2	80.20	82.60	76.95	0.00	13.5
8/13/20 17:00	4.0	110.4	026	8.61	81.7	79.99	83.30	75.8	0.00	13.49
8/13/20 18:00	5.0	110.3	025	12.09	82.0	80.00	83.20	73.95	0.00	13.49
8/13/20 19:00	3.9	98.6	023	9.94	78.7	77.88	80.00	78.72	0.00	13.49
8/13/20 20:00	3.2	92.0	021	7.51	76.9	75.61	77.93	80.9	0.00	13.49
8/13/20 21:00	2.0	58.4	020	4.12	74.5	73.82	75.65	89.5	0.00	13.32
8/13/20 22:00	1.1	50.8	028	3.94	73.6	72.86	73.93	93.8	0.00	13.22
8/13/20 23:00	1.0	25.9	025	2.93	72.4	72.05	72.85	97.7	0.00	13.13
8/14/20 0:00	1.2	21.6	023	3.80	72.1	71.66	72.37	98.4	0.00	13.06
8/14/20 1:00	1.6	32.6	034	3.85	71.8	71.45	72.01	98.7	0.00	13.01
8/14/20 2:00	1.2	49.7	025	4.26	71.2	71.08	71.48	98.9	0.00	12.98
8/14/20 3:00	1.4	26.4	028	4.90	71.3	71.04	71.61	99.5	0.00	12.97
8/14/20 4:00	1.6	29.2	031	4.67	71.9	71.56	72.20	99.2	0.00	12.96
8/14/20 5:00	1.8	24.5	030	4.99	72.2	72.10	72.24	98.2	0.00	12.95
8/14/20 6:00	2.3	30.2	031	5.86	72.2	72.11	72.30	97.5	0.00	12.94
8/14/20 7:00	1.8	44.7	037	5.91	72.2	72.12	72.26	96.6	0.00	12.93
8/14/20 8:00	2.1	23.0	036	8.56	72.8	72.20	73.28	95.2	0.00	13.11
8/14/20 9:00	2.9	45.0	031	10.12	74.1	73.23	75.26	91.4	0.00	13.65
8/14/20 10:00	3.4	49.4	037	10.08	76.0	75.03	77.81	84.6	0.00	13.6
8/14/20 11:00	3.3	38.3	034	9.66	77.7	76.75	79.53	79.36	0.00	13.57
8/14/20 12:00	3.3	41.5	041	7.60	79.8	78.88	81.40	74.43	0.00	13.53
8/14/20 13:00	3.4	55.9	044	8.52	81.6	80.10	82.60	70.07	0.00	13.51
8/14/20 14:00	3.1	38.6	050	7.97	83.5	82.60	84.60	65.82	0.00	13.46
8/14/20 15:00	2.3	41.0	041	7.15	82.6	82.20	83.60	67.99	0.00	13.46
8/14/20 16:00	3.2	56.0	042	9.80	84.0	83.20	85.70	65.96	0.00	13.46
8/14/20 17:00	4.9	107.9	061	13.69	80.5	72.63	84.10	74.51	0.00	13.46
8/14/20 18:00	2.5	15.5	029	12.27	72.3	71.64	73.94	95.1	0.00	13.51
8/14/20 19:00	1.4	119.8	027	4.26	74.3	73.58	75.23	96.8	0.00	13.63
8/14/20 20:00	4.3	134.2	018	10.67	74.9	74.06	75.50	93.4	0.00	13.51
8/14/20 21:00	3.0	86.7	044	8.52	73.5	72.29	74.19	93.6	0.00	13.35
8/14/20 22:00	1.9	14.2	027	6.28	71.0	70.58	72.27	97.1	0.00	13.24
8/14/20 23:00	0.5	60.2	051	2.79	70.7	70.59	70.90	98.5	0.00	13.15
8/15/20 0:00	0.3	33.5	042	1.83	70.5	70.32	70.82	98.5	0.00	13.07
8/15/20 1:00	1.0	20.6	041	4.81	70.4	70.13	70.69	99.1	0.00	13.02
8/15/20 2:00	0.1	344.6	013	0.96	70.5	70.25	70.70	98.8	0.00	12.98
8/15/20 3:00	0.5	30.1	020	3.25	70.2	70.02	70.39	99.2	0.00	12.97
8/15/20 4:00	0.4	15.8	016	1.97	70.0	69.95	70.10	99.1	0.00	12.97

8/15/20 5:00	0.9	33.2	021	3.89	69.8	69.79	69.97	99.1	0.00	12.96
8/15/20 6:00	1.3	22.6	029	2.98	69.7	69.67	69.89	98.7	0.00	12.94
8/15/20 7:00	0.7	21.3	025	3.21	69.6	69.48	69.67	98.6	0.00	12.93
8/15/20 8:00	1.4	25.3	028	4.40	69.7	69.51	70.09	97.4	0.00	12.98
8/15/20 9:00	2.0	57.7	029	6.69	70.6	70.08	71.03	92.7	0.00	13.69
8/15/20 10:00	2.0	71.9	027	5.59	71.6	70.99	72.16	89.5	0.00	13.66
8/15/20 11:00	2.6	85.3	029	8.11	73.2	72.12	73.70	85	0.00	13.64
8/15/20 12:00	3.0	91.8	025	7.47	74.5	73.44	75.42	78.45	0.00	13.63
8/15/20 13:00	2.4	93.8	026	7.33	75.7	75.14	76.06	74.32	0.00	13.61
8/15/20 14:00	3.1	89.1	029	7.83	76.5	75.74	77.64	70.95	0.00	13.58
8/15/20 15:00	3.0	95.3	029	6.96	76.5	76.02	77.19	69.26	0.00	13.58
8/15/20 16:00	4.1	101.0	024	9.16	76.8	76.22	77.23	66.86	0.00	13.57
8/15/20 17:00	2.9	91.2	027	7.28	75.6	74.72	76.26	70.22	0.00	13.58
8/15/20 18:00	1.7	77.0	024	4.95	74.2	73.20	74.73	75.28	0.00	13.58
8/15/20 19:00	1.2	48.6	021	3.34	72.8	72.17	73.19	80.6	0.00	13.61
8/15/20 20:00	1.2	358.8	021	2.84	71.1	70.35	72.22	89.5	0.00	13.47
8/15/20 21:00	1.3	8.3	028	3.85	69.6	68.89	70.37	93.9	0.00	13.34
8/15/20 22:00	1.9	16.6	029	6.05	68.5	68.30	68.89	97.1	0.00	13.23
8/15/20 23:00	1.9	34.9	030	5.77	68.3	68.11	68.51	98	0.00	13.15
8/16/20 0:00	2.1	25.5	031	5.59	68.2	67.75	68.43	99.2	0.00	13.07
8/16/20 1:00	2.5	58.5	068	7.33	67.9	67.62	68.04	98.9	0.00	13.02
8/16/20 2:00	2.9	89.2	042	11.27	67.3	66.90	67.81	98	0.00	12.98
8/16/20 3:00	2.9	58.0	041	10.17	66.5	65.84	67.13	98.2	0.00	12.97
8/16/20 4:00	3.5	69.7	029	11.63	64.7	64.27	65.86	96.4	0.00	12.96
8/16/20 5:00	2.2	50.3	033	6.00	64.6	64.51	64.78	97.5	0.00	12.95
8/16/20 6:00	2.5	54.2	032	7.65	65.1	64.78	65.40	97.5	0.00	12.93
8/16/20 7:00	2.3	46.2	031	6.46	65.1	65.05	65.20	96.8	0.00	12.92
8/16/20 8:00	2.2	27.3	034	6.87	65.3	65.12	65.58	97	0.00	12.97
8/16/20 9:00	2.0	16.4	036	6.55	66.0	65.35	66.84	95.3	0.00	13.43
8/16/20 10:00	2.9	33.1	037	8.66	68.0	66.66	69.22	91.7	0.00	13.7
8/16/20 11:00	3.0	39.1	037	9.85	68.9	68.48	69.31	88.8	0.00	13.7
8/16/20 12:00	1.6	52.6	049	5.18	69.3	68.59	70.18	90	0.00	13.7
8/16/20 13:00	1.6	41.3	045	5.68	71.0	70.11	71.96	84.8	0.00	13.67
8/16/20 14:00	1.5	19.0	057	6.64	71.8	70.48	73.20	82.5	0.00	13.65
8/16/20 15:00	2.3	10.9	036	6.32	73.3	72.64	73.80	77.52	0.00	13.64
8/16/20 16:00	2.8	32.6	045	9.25	73.7	73.03	74.63	75.13	0.00	13.61
8/16/20 17:00	2.4	29.6	037	7.83	73.0	72.65	73.54	76.81	0.00	13.61
8/16/20 18:00	2.8	65.5	032	8.43	73.4	72.64	74.01	76.5	0.00	13.61
8/16/20 19:00	2.5	44.9	046	5.86	73.1	72.50	73.67	75.98	0.00	13.6
8/16/20 20:00	1.4	77.3	022	3.85	71.2	69.33	72.63	81.3	0.00	13.55
8/16/20 21:00	1.0	23.5	038	2.06	68.2	66.60	69.33	90.2	0.00	13.4
8/16/20 22:00	1.2	15.4	037	2.61	65.7	64.98	66.60	97	0.00	13.29
8/16/20 23:00	1.3	59.0	039	2.52	65.3	64.70	66.06	96.8	0.00	13.2
8/17/20 0:00	0.7	33.1	038	2.38	63.7	62.60	65.12	99.2	0.00	13.12
8/17/20 1:00	0.9	2.9	047	2.89	62.7	62.08	63.39	99.9	0.00	13.05
8/17/20 2:00	0.2	62.0	020	1.33	62.3	61.30	63.12	100	0.00	13
8/17/20 3:00	0.4	74.5	034	1.79	61.7	60.69	62.62	100	0.00	12.97
8/17/20 4:00	0.8	339.9	045	1.74	61.0	60.21	62.29	100	0.00	12.96
8/17/20 5:00	0.4	357.6	010	1.92	62.0	61.33	62.48	100	0.00	12.95

8/17/20 6:00	1.6	42.5	011	3.02	61.6	60.39	62.45	100	0.00	12.94
8/17/20 7:00	0.3	19.4	027	2.84	60.2	59.72	60.50	100	0.00	12.93
8/17/20 8:00	0.6	359.3	052	2.79	63.0	60.40	66.64	99.2	0.00	13.12
8/17/20 9:00	2.2	237.8	033	6.50	68.4	66.63	70.01	90.8	0.00	13.72
8/17/20 10:00	3.7	225.9	037	10.08	71.0	69.79	72.91	84.1	0.00	13.67
8/17/20 11:00	4.1	258.3	034	9.21	74.5	72.65	76.18	76.67	0.00	13.61
8/17/20 12:00	4.0	254.0	046	11.04	77.2	75.59	78.74	71.66	0.00	13.55
8/17/20 13:00	3.8	245.5	041	10.12	78.7	77.76	80.70	66.58	0.00	13.55
8/17/20 14:00	3.1	249.8	038	8.11	80.3	79.13	81.20	63.95	0.00	13.52
8/17/20 15:00	3.7	237.5	039	10.17	81.6	80.20	82.80	62.02	0.00	13.49
8/17/20 16:00	2.8	284.4	059	8.89	82.2	79.78	83.60	61.57	0.00	13.49
8/17/20 17:00	2.4	41.4	076	6.18	80.9	79.54	82.50	65.12	0.00	13.49
8/17/20 18:00	4.1	210.4	044	16.12	79.5	71.59	82.00	66.63	0.00	13.49
8/17/20 19:00	2.7	183.4	041	11.36	72.5	70.52	74.50	82.3	0.00	13.52
8/17/20 20:00	2.3	143.3	033	5.22	68.7	67.89	70.55	91.6	0.00	13.54
8/17/20 21:00	0.7	164.1	026	2.52	68.0	67.62	68.30	92.1	0.00	13.38
8/17/20 22:00	0.5	162.6	017	2.84	68.0	67.65	68.72	92.4	0.00	13.27
8/17/20 23:00	1.0	230.9	041	3.89	68.9	67.72	69.60	93.3	0.00	13.18
8/18/20 0:00	1.4	148.8	041	4.08	68.0	67.48	68.92	96	0.00	13.1
8/18/20 1:00	1.0	185.5	039	3.48	67.8	66.97	68.63	96.9	0.00	13.03
8/18/20 2:00	0.9	273.2	027	2.61	67.3	66.96	67.62	98.8	0.00	12.98
8/18/20 3:00	1.5	266.2	024	4.21	66.9	66.63	67.16	98.8	0.00	12.96
8/18/20 4:00	0.5	301.5	029	1.79	66.3	65.62	66.87	98.3	0.00	12.96
8/18/20 5:00	2.2	315.6	017	5.45	65.7	64.71	66.57	96.5	0.00	12.95
8/18/20 6:00	4.2	309.9	008	6.96	66.0	65.76	66.38	90.9	0.00	12.93
8/18/20 7:00	2.9	330.1	008	5.31	66.0	65.72	66.34	88.6	0.00	12.92
8/18/20 8:00	3.4	329.1	011	5.54	67.2	65.75	69.41	82.8	0.00	13.1
8/18/20 9:00	2.6	336.9	027	6.09	71.5	69.41	73.20	73.3	0.00	13.67
8/18/20 10:00	5.3	320.2	017	9.57	74.2	73.22	75.66	66.79	0.00	13.64
8/18/20 11:00	4.4	326.1	022	8.84	76.8	75.63	78.29	59.66	0.00	13.58
8/18/20 12:00	4.3	327.2	035	10.17	78.6	77.61	79.38	55.64	0.00	13.57
8/18/20 13:00	5.1	315.7	028	11.91	79.4	78.47	80.20	54.6	0.00	13.54
8/18/20 14:00	6.0	303.4	030	12.96	80.9	80.10	81.80	50.08	0.00	13.52
8/18/20 15:00	5.8	310.4	035	11.91	81.8	80.70	82.50	49.64	0.00	13.51
8/18/20 16:00	5.2	292.8	032	11.54	82.3	81.50	83.00	48.85	0.00	13.49
8/18/20 17:00	3.9	299.0	020	8.20	81.1	79.55	83.30	49.41	0.00	13.49
8/18/20 18:00	2.1	339.1	040	4.86	80.2	78.61	81.00	53.78	0.00	13.49
8/18/20 19:00	1.0	178.4	074	3.57	80.8	78.58	82.70	57.35	0.00	13.54
8/18/20 20:00	0.8	296.1	041	2.79	79.2	75.24	81.60	57.4	0.00	13.48
8/18/20 21:00	0.6	58.5	013	1.79	74.5	72.90	75.34	67.89	0.00	13.32
8/18/20 22:00	0.4	46.9	018	2.20	72.0	71.16	72.98	78.11	0.00	13.22
8/18/20 23:00	1.3	39.0	008	2.79	69.2	68.01	71.55	88.2	0.00	13.13
8/19/20 0:00	0.8	100.0	024	2.02	69.3	67.56	70.91	88.9	0.00	13.06
8/19/20 1:00	1.1	316.0	064	3.44	70.3	69.69	70.93	83.1	0.00	13.01
8/19/20 2:00	0.7	297.6	027	2.34	69.4	68.89	69.87	86.5	0.00	12.97
8/19/20 3:00	1.0	30.2	029	2.61	68.2	67.02	69.59	91.3	0.00	12.96
8/19/20 4:00	1.1	20.8	016	3.53	67.3	66.67	68.47	95.5	0.00	12.95
8/19/20 5:00	0.7	309.6	043	2.98	68.4	67.88	69.39	90.4	0.00	12.94
8/19/20 6:00	2.9	254.0	032	7.97	68.3	67.55	69.32	90.2	0.00	12.92

8/19/20 7:00	4.4	325.5	021	9.39	66.8	65.34	67.77	92.7	0.00	12.91
8/19/20 8:00	2.5	322.2	078	6.55	64.9	64.55	65.33	95.5	0.00	12.92
8/19/20 9:00	1.2	6.1	036	4.17	65.2	64.56	66.06	96.6	0.00	13.03
8/19/20 10:00	1.3	290.7	060	3.30	66.7	66.04	67.57	93.6	0.00	13.72
8/19/20 11:00	1.8	284.8	043	5.18	68.8	67.58	69.94	87.3	0.00	13.67
8/19/20 12:00	2.3	295.5	037	6.78	71.3	69.40	73.06	78.01	0.00	13.64
8/19/20 13:00	2.6	336.3	052	14.89	74.8	72.50	76.86	67.78	0.00	13.58
8/19/20 14:00	3.3	5.4	044	10.08	77.5	76.63	78.67	56.96	0.00	13.55
8/19/20 15:00	3.2	0.5	053	8.56	79.2	78.18	80.10	55.12	0.00	13.53
8/19/20 16:00	2.8	25.3	043	8.70	79.6	78.29	80.50	56.79	0.00	13.52
8/19/20 17:00	1.5	50.7	032	5.27	78.7	77.70	79.88	60.64	0.00	13.52
8/19/20 18:00	1.5	17.0	034	5.18	78.8	77.68	80.40	59.56	0.00	13.52
8/19/20 19:00	0.7	17.0	044	2.66	76.9	76.16	78.09	66.64	0.00	13.53
8/19/20 20:00	1.5	33.9	024	2.57	73.9	72.29	76.44	75.49	0.00	13.55
8/19/20 21:00	1.3	52.1	015	2.84	71.4	68.35	73.17	78.28	0.00	13.39
8/19/20 22:00	1.2	35.3	027	2.93	67.3	66.69	68.33	94.6	0.00	13.28
8/19/20 23:00	0.9	37.6	034	5.04	66.3	65.88	66.69	97.9	0.00	13.18
8/20/20 0:00	0.8	20.7	042	5.86	65.7	65.02	66.56	98	0.00	13.1
8/20/20 1:00	0.2	17.0	013	2.11	64.8	64.17	65.30	99.1	0.00	13.04
8/20/20 2:00	1.5	19.8	035	4.86	64.4	63.67	64.82	99.2	0.00	12.99
8/20/20 3:00	0.9	29.0	022	5.22	64.2	63.33	64.95	96.6	0.00	12.96
8/20/20 4:00	0.9	15.2	034	2.43	62.9	62.38	63.40	95.8	0.00	12.96
8/20/20 5:00	1.5	35.7	026	4.90	62.6	62.21	63.00	92.3	0.00	12.95
8/20/20 6:00	1.2	18.7	028	4.58	61.8	61.15	62.42	91.8	0.00	12.94
8/20/20 7:00	1.1	32.6	031	4.12	60.8	60.48	61.21	92.5	0.00	12.93
8/20/20 8:00	2.0	33.7	024	6.78	62.4	60.97	64.42	86.3	0.00	13.11
8/20/20 9:00	2.0	50.5	030	5.54	66.7	64.43	69.01	76.93	0.00	13.73
8/20/20 10:00	3.1	100.1	034	8.34	70.3	68.61	71.73	72.2	0.00	13.67
8/20/20 11:00	2.7	119.2	047	7.79	73.4	71.74	75.03	69.08	0.00	13.61
8/20/20 12:00	3.1	132.7	050	8.79	76.0	74.88	77.51	65.81	0.00	13.58
8/20/20 13:00	2.5	118.9	053	7.79	77.7	75.85	78.83	61.13	0.00	13.55
8/20/20 14:00	2.4	97.6	053	7.79	78.7	77.67	79.93	58.33	0.00	13.54
8/20/20 15:00	2.6	139.7	045	6.73	79.5	78.66	80.50	55.52	0.00	13.52
8/20/20 16:00	2.6	136.3	048	6.78	80.5	79.35	81.60	54.51	0.00	13.51
8/20/20 17:00	2.9	134.0	041	7.79	79.8	78.22	81.10	55.65	0.00	13.49
8/20/20 18:00	2.7	138.1	027	7.24	79.7	77.64	81.00	55.07	0.00	13.49
8/20/20 19:00	3.1	123.8	017	6.96	77.8	76.60	78.45	59.75	0.00	13.49
8/20/20 20:00	3.1	127.7	016	6.50	75.5	74.14	76.63	62.06	0.00	13.49
8/20/20 21:00	1.9	139.7	018	4.03	73.3	72.52	74.15	62.14	0.00	13.34
8/20/20 22:00	1.3	87.9	025	3.99	70.8	68.39	72.48	68.8	0.00	13.23
8/20/20 23:00	0.5	138.0	013	2.20	67.9	66.38	70.41	80.3	0.00	13.14
8/21/20 0:00	0.9	88.0	017	2.52	68.3	66.84	70.46	79.04	0.00	13.07
8/21/20 1:00	0.4	143.7	010	1.97	67.0	66.15	67.99	86.2	0.00	13.01
8/21/20 2:00	1.0	90.2	020	2.34	68.1	67.55	68.56	88.7	0.00	12.97
8/21/20 3:00	0.4	107.6	012	1.74	66.0	65.18	67.79	94.9	0.00	12.96
8/21/20 4:00	0.3	142.1	013	1.65	66.9	66.34	67.46	93.7	0.00	12.95
8/21/20 5:00	0.4	118.9	012	1.51	66.0	65.51	66.52	95.8	0.00	12.94
8/21/20 6:00	0.9	52.7	018	2.89	65.4	63.62	66.17	96.7	0.00	12.92
8/21/20 7:00	1.0	48.0	017	3.02	63.6	63.19	64.14	98.8	0.00	12.91

8/21/20 8:00	1.5	116.5	022	3.16	66.3	63.91	69.07	96	0.00	13.11
8/21/20 9:00	2.1	155.8	039	7.15	71.7	69.07	73.34	88.2	0.00	13.67
8/21/20 10:00	3.0	205.1	034	6.46	74.4	73.10	76.38	83.8	0.00	13.62
8/21/20 11:00	3.6	232.4	032	9.48	76.6	76.11	77.19	77.71	0.00	13.58
8/21/20 12:00	3.8	207.9	037	9.21	77.2	76.44	77.87	75.22	0.00	13.58
8/21/20 13:00	3.5	226.7	048	8.38	78.3	76.78	80.80	72.47	0.00	13.55
8/21/20 14:00	3.1	204.0	050	10.12	80.9	79.72	82.20	66.78	0.00	13.52
8/21/20 15:00	3.6	209.3	041	10.49	81.8	80.70	82.60	64.43	0.00	13.51
8/21/20 16:00	3.2	209.0	040	9.94	81.9	81.20	82.50	63.75	0.00	13.51
8/21/20 17:00	3.0	189.7	041	8.38	82.0	81.30	82.80	64.33	0.00	13.51
8/21/20 18:00	3.5	193.7	035	10.12	81.2	80.60	82.20	67.42	0.00	13.51
8/21/20 19:00	3.7	212.1	030	11.08	80.0	79.24	80.60	69.32	0.00	13.52
8/21/20 20:00	2.5	214.1	027	7.33	78.5	77.87	79.24	72.36	0.00	13.43
8/21/20 21:00	2.0	207.1	028	7.56	77.3	76.83	77.91	77.79	0.00	13.29
8/21/20 22:00	2.6	199.2	030	6.50	76.4	75.64	76.90	81.6	0.00	13.18
8/21/20 23:00	1.8	206.5	028	5.77	75.2	74.73	75.66	86.5	0.00	13.1
8/22/20 0:00	2.1	235.7	028	5.50	74.6	74.18	74.89	88.7	0.00	13.04
8/22/20 1:00	2.4	239.1	020	6.09	73.7	73.36	74.31	90.4	0.00	12.99
8/22/20 2:00	0.7	30.3	049	2.61	72.7	72.16	73.45	94.6	0.00	12.97
8/22/20 3:00	0.6	255.2	022	3.48	72.1	71.77	72.70	97.1	0.00	12.97
8/22/20 4:00	1.1	199.7	037	4.03	72.4	72.23	72.64	96.8	0.00	12.96
8/22/20 5:00	1.1	188.1	026	4.63	72.2	72.07	72.26	98.4	0.00	12.94
8/22/20 6:00	1.1	198.3	038	3.89	72.2	72.11	72.27	98.6	0.00	12.92
8/22/20 7:00	1.5	284.8	029	3.62	72.2	72.01	72.34	97.9	0.00	12.91
8/22/20 8:00	1.3	214.8	036	4.58	72.5	72.20	72.94	96.9	0.00	12.94
8/22/20 9:00	1.9	238.4	038	5.04	73.0	72.65	73.53	95.3	0.00	13.46
8/22/20 10:00	2.7	228.2	029	5.86	74.2	73.37	75.60	92.6	0.00	13.63
8/22/20 11:00	3.8	211.2	031	7.56	76.2	75.26	78.04	87.1	0.00	13.6
8/22/20 12:00	3.5	214.9	039	7.65	78.9	77.64	80.40	80.1	0.00	13.52
8/22/20 13:00	2.8	205.1	042	8.61	81.0	79.98	81.90	73.04	0.00	13.51
8/22/20 14:00	3.0	165.9	035	8.24	81.8	80.50	82.50	68.38	0.00	13.49
8/22/20 15:00	2.9	160.5	030	7.83	81.4	79.91	82.50	67.87	0.00	13.49
8/22/20 16:00	2.4	152.1	026	7.05	78.8	78.13	79.90	74.05	0.00	13.49
8/22/20 17:00	2.0	125.7	019	5.95	79.7	78.42	81.00	75.47	0.00	13.55
8/22/20 18:00	2.0	142.8	029	4.81	80.6	79.94	81.30	72.78	0.00	13.54
8/22/20 19:00	2.0	154.7	027	5.31	80.7	79.09	82.10	72.01	0.00	13.52
8/22/20 20:00	1.4	238.5	056	7.24	78.3	77.13	79.37	80.2	0.00	13.43
8/22/20 21:00	1.7	99.8	066	3.11	76.0	73.76	77.22	87.4	0.00	13.29
8/22/20 22:00	1.5	216.7	041	4.72	75.1	73.47	76.07	88.7	0.00	13.19
8/22/20 23:00	1.3	196.8	024	4.35	75.3	74.90	75.57	88.2	0.00	13.1
8/23/20 0:00	1.1	173.3	027	3.66	74.5	74.18	74.96	91.1	0.00	13.03
8/23/20 1:00	1.5	136.2	056	4.03	74.1	73.04	74.58	92.6	0.00	12.99
8/23/20 2:00	1.6	50.9	022	2.89	72.1	71.52	73.03	98	0.00	12.97
8/23/20 3:00	0.8	86.9	049	3.62	71.9	71.22	72.55	99	0.00	12.97
8/23/20 4:00	0.7	71.5	041	2.98	72.3	71.64	72.63	98.6	0.00	12.96
8/23/20 5:00	0.5	151.7	052	1.88	72.0	71.64	72.52	99.4	0.00	12.95
8/23/20 6:00	0.7	119.4	025	1.97	72.8	72.49	73.00	98.9	0.00	12.93
8/23/20 7:00	0.7	122.5	038	2.02	72.9	72.59	73.31	98.9	0.00	12.91
8/23/20 8:00	0.9	88.6	016	2.57	72.9	72.61	73.50	99.1	0.00	12.96

8/23/20 9:00	1.6	216.8	034	4.63	75.3	73.50	76.77	94.5	0.00	13.65
8/23/20 10:00	2.1	250.9	050	6.14	77.8	76.21	80.10	86	0.00	13.58
8/23/20 11:00	3.1	238.9	055	9.98	80.4	78.72	82.70	77.73	0.00	13.52
8/23/20 12:00	2.2	186.7	065	6.50	82.6	81.40	85.30	69.51	0.00	13.49
8/23/20 13:00	3.0	250.2	044	7.47	83.8	82.20	85.30	67.05	0.00	13.46
8/23/20 14:00	3.0	248.5	047	8.15	85.5	83.70	86.90	61.08	0.00	13.44
8/23/20 15:00	3.8	246.5	046	11.45	86.7	86.00	87.30	57.31	0.00	13.43
8/23/20 16:00	3.9	246.5	035	9.48	86.8	85.60	87.90	57.61	0.00	13.43
8/23/20 17:00	3.6	243.7	035	9.16	87.2	85.70	88.00	56.44	0.00	13.43
8/23/20 18:00	4.8	242.2	032	11.68	87.4	86.40	88.30	55.73	0.00	13.43
8/23/20 19:00	5.6	309.9	073	15.94	81.8	76.31	86.50	64.07	0.00	13.43
8/23/20 20:00	1.7	39.6	062	9.21	75.5	74.47	76.31	80.4	0.00	13.39
8/23/20 21:00	1.0	341.2	057	2.75	74.9	74.30	75.35	81.1	0.00	13.25
8/23/20 22:00	2.2	57.6	046	3.80	73.1	71.94	75.17	88.9	0.00	13.15
8/23/20 23:00	0.7	48.8	034	2.70	71.6	71.04	72.11	93.5	0.00	13.08
8/24/20 0:00	0.6	30.8	032	2.11	72.2	70.97	73.25	89.5	0.00	13.02
8/24/20 1:00	1.6	54.9	045	3.39	71.3	70.54	73.29	95.3	0.00	12.97
8/24/20 2:00	1.8	329.6	064	4.08	73.4	71.35	75.23	92.2	0.00	12.96
8/24/20 3:00	1.7	40.4	038	4.21	70.9	69.58	72.23	97.2	0.00	12.96
8/24/20 4:00	1.5	35.2	020	4.03	69.9	69.48	70.49	98.7	0.00	12.95
8/24/20 5:00	0.9	126.4	045	2.24	70.1	69.22	70.69	98.4	0.00	12.94
8/24/20 6:00	1.3	51.3	036	3.16	70.3	69.66	70.94	98	0.00	12.92
8/24/20 7:00	0.5	32.3	027	2.61	69.6	68.91	70.12	99	0.00	12.91
8/24/20 8:00	1.1	261.1	036	5.04	72.7	70.09	74.82	94.2	0.00	13.01
8/24/20 9:00	2.9	255.6	031	7.05	76.8	74.79	78.32	86.5	0.00	13.6
8/24/20 10:00	3.3	271.0	040	9.30	80.3	78.20	81.90	76.58	0.00	13.54
8/24/20 11:00	4.4	285.4	029	9.98	82.4	81.10	83.60	69.74	0.00	13.51
8/24/20 12:00	4.1	303.5	036	9.25	84.2	83.30	85.20	64.79	0.00	13.49
8/24/20 13:00	4.6	310.4	033	10.90	85.7	83.90	86.70	60.45	0.00	13.46
8/24/20 14:00	2.8	310.4	046	8.24	85.6	83.80	87.50	61.17	0.00	13.43
8/24/20 15:00	5.9	314.0	029	9.98	80.7	77.92	84.50	80.1	0.00	13.43
8/24/20 16:00	3.5	304.5	053	8.34	83.0	80.40	85.80	73.17	0.00	13.47
8/24/20 17:00	3.6	255.8	035	10.26	86.4	84.80	87.80	59.79	0.00	13.46
8/24/20 18:00	3.7	269.4	038	9.07	86.3	85.00	87.00	60.11	0.00	13.46
8/24/20 19:00	3.8	247.8	025	8.66	84.3	83.30	85.70	65.53	0.00	13.46
8/24/20 20:00	1.6	248.9	031	6.37	82.3	81.10	83.30	70.61	0.00	13.41
8/24/20 21:00	2.3	210.3	027	6.60	80.5	79.80	81.20	74.59	0.00	13.26
8/24/20 22:00	3.6	235.6	021	9.48	79.0	78.10	79.87	80.3	0.00	13.16
8/24/20 23:00	2.8	245.0	022	6.32	77.7	77.27	78.14	86	0.00	13.08
8/25/20 0:00	2.5	245.0	024	5.36	76.6	75.62	77.32	88.4	0.00	13.02
8/25/20 1:00	1.6	255.3	032	4.35	75.2	74.60	75.82	93.3	0.00	12.98
8/25/20 2:00	1.6	273.4	028	4.31	74.5	73.92	74.93	95.6	0.00	12.97
8/25/20 3:00	1.7	269.5	027	4.40	74.3	73.82	74.71	95.3	0.00	12.97
8/25/20 4:00	1.1	277.6	024	4.08	73.5	73.17	73.83	95.3	0.00	12.96
8/25/20 5:00	1.1	275.6	029	3.21	73.1	72.56	73.44	94.7	0.00	12.94
8/25/20 6:00	1.6	277.7	025	3.48	72.9	72.20	73.31	91.1	0.00	12.93
8/25/20 7:00	1.7	270.1	050	4.21	72.1	71.74	72.40	92.3	0.00	12.92
8/25/20 8:00	3.3	279.6	020	8.11	74.1	72.11	75.78	85.6	0.00	13.04
8/25/20 9:00	4.6	266.5	021	10.12	77.1	75.80	78.24	76.36	0.00	13.62

8/25/20 10:00	6.9	288.8	023	15.76	80.0	78.24	80.90	70.52	0.00	13.57
8/25/20 11:00	9.7	299.7	017	19.05	81.9	80.80	82.90	68.62	0.00	13.54
8/25/20 12:00	9.4	294.9	018	20.52	83.0	82.60	83.40	68.01	0.00	13.52
8/25/20 13:00	7.5	278.8	023	16.53	83.4	82.60	85.50	66.45	0.00	13.51
8/25/20 14:00	7.6	279.8	027	15.07	85.2	84.40	86.80	59.36	0.00	13.49
8/25/20 15:00	7.6	277.7	028	16.81	86.0	85.00	86.70	58.85	0.00	13.46
8/25/20 16:00	8.1	275.6	028	16.85	87.7	86.70	88.80	58.74	0.00	13.46
8/25/20 17:00	7.5	280.5	024	16.21	88.8	88.40	89.40	58.52	0.00	13.46
8/25/20 18:00	5.7	276.5	022	13.92	88.7	87.10	89.30	59.48	0.00	13.46
8/25/20 19:00	3.3	276.1	052	10.40	83.9	78.07	87.60	72.07	0.00	13.36
8/25/20 20:00	6.0	305.8	024	17.95	79.2	78.02	80.40	79.73	0.00	13.22
8/25/20 21:00	6.5	297.4	021	15.07	77.3	76.23	78.20	66.19	0.00	13.13
8/25/20 22:00	5.6	282.4	023	12.32	75.3	74.55	76.31	73.92	0.00	13.06
8/25/20 23:00	7.0	309.0	013	12.69	74.5	74.10	74.77	76.75	0.00	13
8/26/20 0:00	4.9	311.6	015	8.98	73.7	73.40	74.48	78.64	0.00	12.97
8/26/20 1:00	4.7	317.7	014	9.57	72.9	72.11	73.68	81.6	0.00	12.97
8/26/20 2:00	4.4	312.5	010	10.21	71.6	70.91	72.38	84.6	0.00	12.96
8/26/20 3:00	3.9	317.6	010	6.92	70.6	70.23	70.91	85.4	0.00	12.95
8/26/20 4:00	4.2	326.2	010	7.19	69.8	69.11	70.31	84.8	0.00	12.94
8/26/20 5:00	3.6	322.3	011	7.88	69.1	68.17	70.03	83.2	0.00	12.92
8/26/20 6:00	2.2	320.9	010	5.40	67.8	66.88	68.95	85.9	0.00	12.9
8/26/20 7:00	1.2	308.2	019	2.79	66.6	65.99	67.52	88.1	0.00	12.9
8/26/20 8:00	1.4	308.3	020	7.42	68.4	66.43	70.07	84.5	0.00	13.04
8/26/20 9:00	3.7	314.0	017	7.47	71.5	70.06	73.21	73.48	0.00	13.66
8/26/20 10:00	5.6	306.8	017	11.40	74.0	73.11	75.45	64.86	0.00	13.63
8/26/20 11:00	5.1	320.4	022	10.17	76.5	75.15	77.88	58.08	0.00	13.58
8/26/20 12:00	6.3	320.7	021	13.42	78.2	77.22	79.06	55.03	0.00	13.55
8/26/20 13:00	7.3	317.9	021	14.93	79.7	78.81	80.60	53.55	0.00	13.54
8/26/20 14:00	6.6	309.9	022	15.39	81.1	80.30	82.20	52.15	0.00	13.52
8/26/20 15:00	6.0	294.0	025	14.11	82.6	81.70	83.60	49.94	0.00	13.51
8/26/20 16:00	6.2	277.7	024	13.60	83.3	82.80	83.80	49.66	0.00	13.49
8/26/20 17:00	6.0	267.4	029	11.40	83.6	83.30	84.10	49.66	0.00	13.49
8/26/20 18:00	4.7	256.2	028	11.36	83.5	83.20	84.10	49.56	0.00	13.49
8/26/20 19:00	3.2	254.0	025	7.79	82.8	81.50	83.70	52.4	0.00	13.49
8/26/20 20:00	3.5	245.6	020	7.92	80.6	80.00	81.50	57.45	0.00	13.39
8/26/20 21:00	3.9	234.6	020	7.65	79.6	79.15	80.10	61.18	0.00	13.25
8/26/20 22:00	2.9	222.0	025	6.96	78.8	77.92	79.49	63.94	0.00	13.15
8/26/20 23:00	3.2	234.1	028	6.92	77.3	76.35	77.95	68.68	0.00	13.08
8/27/20 0:00	2.9	250.8	023	5.77	75.7	75.26	76.36	74.47	0.00	13.02
8/27/20 1:00	2.5	246.7	023	5.73	75.2	75.02	75.53	76.24	0.00	12.98
8/27/20 2:00	2.1	253.8	019	4.58	74.6	74.14	75.06	77.5	0.00	12.97
8/27/20 3:00	1.8	252.4	021	4.31	73.8	72.69	74.22	80.1	0.00	12.97
8/27/20 4:00	1.8	283.7	020	3.44	72.0	71.10	72.69	85.9	0.00	12.97
8/27/20 5:00	2.4	284.0	013	4.53	71.9	71.17	72.25	87.2	0.00	12.95
8/27/20 6:00	3.0	281.4	014	5.18	72.3	72.08	72.71	86.4	0.00	12.93
8/27/20 7:00	3.3	279.5	015	6.60	73.0	72.63	73.51	85.5	0.00	12.92
8/27/20 8:00	2.4	243.9	038	6.05	74.1	73.08	75.09	83.7	0.00	13.02
8/27/20 9:00	2.8	219.9	046	8.75	75.6	74.60	76.62	81.8	0.00	13.63
8/27/20 10:00	4.7	256.9	025	10.76	79.7	76.49	82.00	74.09	0.00	13.57



8/27/20 11:00	5.3	250.5	028	11.77	83.7	82.00	85.10	66.76	0.00	13.51
8/27/20 12:00	7.4	268.8	029	17.45	86.2	85.00	87.10	61.79	0.00	13.48
8/27/20 13:00	8.1	265.7	024	15.62	87.1	86.60	87.60	59.47	0.00	13.46
8/27/20 14:00	8.8	266.0	024	17.08	88.2	87.40	89.10	58.53	0.00	13.46
8/27/20 15:00	7.3	250.4	028	15.76	88.8	87.90	89.60	59.14	0.00	13.45
8/27/20 16:00	6.5	245.7	027	16.26	88.8	87.60	89.70	60.25	0.00	13.43
8/27/20 17:00	5.5	250.0	024	11.72	87.1	86.70	88.00	64.35	0.00	13.43
8/27/20 18:00	7.4	270.8	026	21.16	88.7	87.50	90.10	60.15	0.00	13.46
8/27/20 19:00	10.4	288.6	020	20.88	88.2	86.90	89.20	53	0.00	13.46
8/27/20 20:00	9.4	290.5	018	20.11	85.6	84.50	87.00	56.8	0.00	13.32
8/27/20 21:00	7.6	285.4	018	19.10	83.7	82.90	84.50	60.2	0.00	13.19
8/27/20 22:00	6.7	288.5	021	14.43	82.3	81.60	83.00	63.97	0.00	13.1
8/27/20 23:00	6.3	311.5	021	13.74	80.5	79.22	81.70	64.95	0.00	13.03
8/28/20 0:00	2.9	350.3	032	9.62	77.8	76.49	79.30	70.17	0.00	12.99
8/28/20 1:00	4.2	311.7	019	10.35	76.7	75.22	77.67	71.75	0.00	12.97
8/28/20 2:00	3.6	315.2	031	8.11	75.0	74.42	75.73	72.99	0.00	12.97
8/28/20 3:00	3.1	319.0	026	7.05	73.9	72.89	74.67	73.91	0.00	12.96
8/28/20 4:00	2.1	297.3	050	5.77	73.3	72.89	73.74	75.61	0.00	12.95
8/28/20 5:00	1.4	263.7	034	3.39	72.4	70.89	73.18	79.23	0.00	12.94
8/28/20 6:00	2.2	270.7	033	5.45	71.6	70.70	72.14	82.8	0.00	12.92
8/28/20 7:00	1.9	279.9	031	5.31	72.2	71.95	72.61	81.8	0.00	12.91
8/28/20 8:00	3.1	318.5	020	7.19	74.1	72.34	76.64	81	0.00	12.99
8/28/20 9:00	5.2	282.5	022	12.05	78.2	76.58	79.67	74.4	0.00	13.6
8/28/20 10:00	6.6	296.1	018	13.83	81.1	78.42	82.60	70.32	0.00	13.54
8/28/20 11:00	7.8	304.0	018	16.12	83.4	81.70	84.90	67.63	0.00	13.51
8/28/20 12:00	6.5	288.9	021	13.33	84.9	84.10	86.40	66.09	0.00	13.49
8/28/20 13:00	7.8	287.6	021	15.25	85.1	84.40	85.80	64.14	0.00	13.48
8/28/20 14:00	5.9	290.8	022	12.18	84.4	83.90	85.60	66.01	0.00	13.49
8/28/20 15:00	5.2	286.2	026	12.27	86.8	85.50	88.70	62.37	0.00	13.46
8/28/20 16:00	5.0	271.5	032	11.86	88.4	87.40	89.20	59.5	0.00	13.43
8/28/20 17:00	4.9	276.4	057	19.60	85.9	75.92	89.40	62.74	0.00	13.43
8/28/20 18:00	2.8	22.3	044	11.91	73.5	72.77	75.94	87.9	0.00	13.46
8/28/20 19:00	2.0	249.3	053	6.69	73.3	72.78	73.98	90.8	0.01	13.41
8/28/20 20:00	1.9	186.4	053	7.92	73.0	72.66	73.60	95.7	0.00	13.3
8/28/20 21:00	1.7	251.7	058	4.76	72.9	72.65	73.14	96.6	0.00	13.2
8/28/20 22:00	0.8	298.7	084	3.25	72.5	72.19	72.69	97.8	0.00	13.11
8/28/20 23:00	1.7	151.1	045	6.05	72.3	72.13	72.55	99.3	0.00	13.04
8/29/20 0:00	2.0	170.6	035	6.50	72.6	72.23	73.11	99.8	0.00	12.99
8/29/20 1:00	4.0	199.9	029	11.50	72.7	72.26	73.25	98	0.00	12.97
8/29/20 2:00	2.3	150.4	026	6.05	71.7	71.26	72.30	99.2	0.00	12.96
8/29/20 3:00	3.3	170.9	027	9.98	71.3	71.13	71.43	99.2	0.00	12.96
8/29/20 4:00	1.8	155.6	031	4.67	70.9	70.73	71.23	98.6	0.00	12.95
8/29/20 5:00	2.2	203.7	030	7.37	71.1	70.83	71.22	98.7	0.00	12.94
8/29/20 6:00	2.5	204.5	029	7.37	71.1	71.00	71.12	99.1	0.00	12.92
8/29/20 7:00	3.5	198.0	026	8.15	71.1	71.04	71.25	99	0.00	12.91
8/29/20 8:00	2.4	241.6	049	7.47	71.4	71.20	71.74	99.3	0.00	12.93
8/29/20 9:00	2.4	261.8	025	5.50	72.1	71.74	72.63	99.3	0.00	13.05
8/29/20 10:00	2.6	229.6	031	6.46	73.0	72.55	74.12	98.8	0.00	13.65
8/29/20 11:00	3.2	217.1	026	7.33	74.9	74.11	75.88	97.4	0.00	13.63

8/29/20 12:00	3.9	222.3	028	9.62	76.3	75.89	76.87	94.7	0.00	13.63
8/29/20 13:00	5.0	226.3	027	12.50	77.8	76.34	79.37	90.9	0.00	13.58
8/29/20 14:00	6.6	247.1	031	13.92	79.1	78.39	80.60	83.9	0.00	13.57
8/29/20 15:00	5.9	268.1	024	14.75	79.7	79.26	81.20	80.9	0.00	13.55
8/29/20 16:00	5.9	275.6	028	13.28	81.7	80.20	83.20	74.42	0.00	13.52
8/29/20 17:00	5.7	284.2	024	12.50	82.8	81.70	83.50	73.12	0.00	13.51
8/29/20 18:00	3.9	261.2	026	7.88	83.6	82.20	84.60	72.4	0.00	13.51
8/29/20 19:00	3.3	259.8	022	7.65	83.5	82.20	84.20	72.89	0.00	13.51
8/29/20 20:00	4.0	281.7	022	9.16	82.2	81.10	83.60	65.83	0.00	13.39
8/29/20 21:00	7.7	305.7	013	14.56	80.5	79.51	81.40	61.55	0.00	13.25
8/29/20 22:00	4.5	322.7	017	12.37	78.3	76.19	79.74	61.93	0.00	13.15
8/29/20 23:00	5.0	335.1	016	14.52	76.2	75.48	76.98	66.6	0.00	13.08
8/30/20 0:00	4.7	337.4	035	17.45	75.5	74.11	76.24	61.66	0.00	13.02
8/30/20 1:00	3.6	327.6	019	10.95	72.6	71.48	74.15	64.66	0.00	12.99
8/30/20 2:00	2.5	37.6	062	10.81	70.8	69.08	71.98	68.92	0.00	12.98
8/30/20 3:00	1.0	337.9	042	3.89	68.1	66.10	69.52	75.58	0.00	12.97
8/30/20 4:00	1.4	326.6	028	4.26	65.2	64.69	66.09	84.4	0.00	12.96
8/30/20 5:00	1.0	57.4	033	2.89	63.6	62.12	65.67	92.8	0.00	12.95
8/30/20 6:00	0.8	319.9	020	2.84	62.8	62.26	63.29	92.7	0.00	12.93
8/30/20 7:00	0.8	314.0	023	1.97	62.9	62.02	63.49	91.4	0.00	12.92
8/30/20 8:00	0.8	122.3	034	3.25	66.0	63.51	68.04	84	0.00	13.06
8/30/20 9:00	3.7	328.4	019	11.68	69.4	67.93	71.27	74.56	0.00	13.7
8/30/20 10:00	7.2	328.6	017	14.01	72.0	71.25	73.26	64.24	0.00	13.64
8/30/20 11:00	8.3	333.6	020	15.98	73.6	72.84	74.73	56.33	0.00	13.63
8/30/20 12:00	7.9	327.8	022	18.96	74.9	74.06	75.81	53.82	0.00	13.6
8/30/20 13:00	8.1	314.8	021	15.66	76.2	75.33	77.15	52.19	0.00	13.57
8/30/20 14:00	7.1	320.4	027	14.34	76.5	75.58	77.51	50.45	0.00	13.57
8/30/20 15:00	6.6	322.0	025	14.11	77.2	75.60	78.60	48.38	0.00	13.57
8/30/20 16:00	5.5	338.0	028	12.69	77.3	76.20	79.05	47.93	0.00	13.57
8/30/20 17:00	6.3	323.3	022	15.62	78.4	76.93	79.77	44.78	0.00	13.55
8/30/20 18:00	5.1	331.8	023	11.18	78.8	77.14	79.65	43.82	0.00	13.54
8/30/20 19:00	4.2	321.0	021	9.39	77.8	76.56	78.41	44.62	0.00	13.54
8/30/20 20:00	1.9	359.6	022	4.49	74.7	70.80	77.14	51.01	0.00	13.45
8/30/20 21:00	1.1	48.8	036	3.48	69.7	65.07	71.13	62.33	0.00	13.32
8/30/20 22:00	1.3	27.0	025	4.17	66.2	64.82	68.20	75.42	0.00	13.22
8/30/20 23:00	1.5	27.0	045	5.40	63.9	62.29	65.67	91	0.00	13.14
8/31/20 0:00	1.5	25.2	044	3.11	63.8	62.71	64.65	92.6	0.00	13.07
8/31/20 1:00	1.3	49.1	014	2.70	64.2	63.23	65.42	91.6	0.00	13.01
8/31/20 2:00	1.2	23.6	036	2.57	64.0	63.33	64.96	94.7	0.00	12.97
8/31/20 3:00	1.1	28.5	023	2.47	64.1	63.64	64.62	94.8	0.00	12.96
8/31/20 4:00	1.0	44.6	027	2.75	63.8	63.30	64.74	96.5	0.00	12.96
8/31/20 5:00	1.2	31.9	047	2.34	64.0	62.73	65.65	94.8	0.00	12.95
8/31/20 6:00	2.0	87.7	019	4.12	65.3	64.89	65.65	90.6	0.00	12.94
8/31/20 7:00	1.6	38.3	021	3.11	64.2	63.67	65.42	95.5	0.00	12.93
8/31/20 8:00	0.7	66.2	032	2.79	66.8	64.30	68.68	92.7	0.00	13.09
8/31/20 9:00	0.6	28.6	039	1.88	69.2	68.25	70.65	88.7	0.00	13.72
8/31/20 10:00	1.9	123.5	018	4.08	70.8	70.31	71.17	85	0.00	13.69
8/31/20 11:00	2.3	119.4	018	5.91	71.9	71.17	72.40	84.2	0.00	13.67
8/31/20 12:00	3.2	133.1	020	10.08	72.6	72.11	73.44	83.8	0.00	13.64

8/31/20 13:00	3.9	135.4	022	9.25	72.8	72.51	73.29	83.8	0.00	13.64
8/31/20 14:00	3.5	134.1	019	8.89	71.3	70.81	72.56	87.3	0.01	13.64
8/31/20 15:00	3.2	121.9	019	7.42	71.0	70.73	71.20	90.7	0.00	13.64
8/31/20 16:00	3.7	123.3	019	9.57	70.9	70.37	71.25	90.7	0.00	13.64
8/31/20 17:00	2.3	126.6	023	7.47	70.5	69.97	70.90	93.8	0.00	13.64
8/31/20 18:00	2.8	161.4	024	6.78	68.7	67.92	69.99	95.2	0.00	13.64
8/31/20 19:00	3.5	137.8	020	7.69	67.9	67.69	68.07	98.4	0.00	13.65
8/31/20 20:00	3.4	127.1	024	10.58	67.2	66.89	67.76	98.1	0.00	13.48
8/31/20 21:00	1.8	87.9	034	4.44	66.7	66.46	66.93	96.6	0.00	13.36
8/31/20 22:00	1.0	167.2	065	4.03	66.3	66.13	66.53	96.2	0.00	13.25
8/31/20 23:00	2.0	144.9	027	6.32	66.3	65.98	66.58	96.2	0.00	13.17