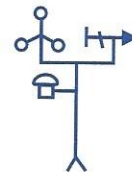




TECHNICAL ENVIRONMENTAL SERVICES, LLC



April 15, 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 March 2020. All the instrumentation functioned normally during March. Data recovery for all the parameters was near 100%. March had a precipitation total of 2.38 inches.

Attached is a wind rose for the month of March 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

GUDE DRIVE METEOROLOGICAL TOWER
DATA RECOVERY
JANUARY-MARCH 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

Run Date: 4/15/2020 5:58:16 PM

WIND ROSE

(WINDS FROM)



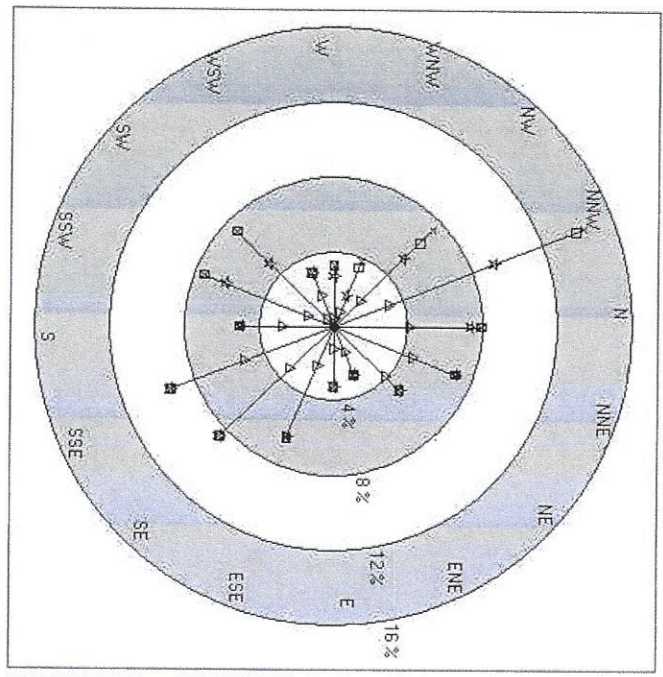
N

0.00% PERCENT CALMS
(NOT INCLUDED IN PLOT)

Start Date: 3/1/2020 01:00

End Date: 3/31/2020 23:00

Sensors Selected
3M_WS
3M_WD



- 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)	Avg_RelH (%)	Total_Rain (INCH)
3/1/20 0:00	7.7	303.8	010	15.39	30.59	44.10	0
3/1/20 1:00	6.9	307.7	011	14.47	30.05	45.27	0
3/1/20 2:00	7.8	310.6	009	15.43	29.47	46.97	0
3/1/20 3:00	5.3	322.3	008	8.61	28.47	49.75	0
3/1/20 4:00	3.2	334.2	016	6.96	28.52	49.80	0
3/1/20 5:00	5.0	333.1	018	11.45	28.47	51.21	0
3/1/20 6:00	2.8	317.4	016	7.88	27.08	54.70	0
3/1/20 7:00	1.1	124.7	016	3.11	25.98	56.88	0
3/1/20 8:00	1.8	290.8	074	5.04	24.57	62.59	0
3/1/20 9:00	0.9	200.9	014	3.99	27.31	58.02	0
3/1/20 10:00	3.2	231.7	032	8.84	31.76	48.03	0
3/1/20 11:00	6.5	273.4	027	14.98	34.32	41.69	0
3/1/20 12:00	7.2	282.0	030	14.15	36.82	35.44	0
3/1/20 13:00	7.1	278.9	027	15.94	39.77	30.57	0
3/1/20 14:00	7.1	280.2	035	17.40	42.45	27.75	0
3/1/20 15:00	6.2	272.5	041	14.34	44.94	25.78	0
3/1/20 16:00	5.7	259.0	042	13.51	47.25	23.40	0
3/1/20 17:00	5.6	284.5	039	14.06	48.63	22.15	0
3/1/20 18:00	4.8	263.7	031	11.45	49.27	20.81	0
3/1/20 19:00	3.5	233.0	037	10.81	48.48	21.92	0
3/1/20 20:00	2.8	182.5	024	8.56	46.53	24.73	0
3/1/20 21:00	1.6	164.3	020	5.73	44.19	27.46	0
3/1/20 22:00	1.7	156.5	016	4.81	42.35	29.44	0
3/1/20 23:00	2.0	150.5	016	5.18	41.14	32.10	0
3/2/20 0:00	1.7	138.6	015	3.80	39.76	35.77	0
3/2/20 1:00	1.4	167.2	021	4.67	38.87	38.31	0
3/2/20 2:00	2.0	162.0	023	4.90	39.32	40.07	0
3/2/20 3:00	1.8	147.9	017	4.21	38.88	42.13	0
3/2/20 4:00	1.7	161.1	015	3.62	39.15	42.19	0
3/2/20 5:00	0.9	152.0	017	2.89	38.22	44.41	0
3/2/20 6:00	0.7	166.2	021	2.66	35.71	50.58	0
3/2/20 7:00	1.0	162.1	012	2.11	36.40	48.25	0
3/2/20 8:00	1.1	163.8	020	3.57	35.97	49.87	0
3/2/20 9:00	1.6	170.5	025	4.67	38.06	48.10	0
3/2/20 10:00	5.0	205.3	021	12.32	42.61	43.44	0
3/2/20 11:00	5.1	198.2	025	10.31	48.05	36.37	0
3/2/20 12:00	5.1	193.5	031	10.76	53.27	31.72	0
3/2/20 13:00	6.3	200.0	027	13.05	56.20	30.64	0
3/2/20 14:00	6.3	190.9	031	12.92	58.11	30.76	0
3/2/20 15:00	7.4	202.9	026	14.84	61.47	28.71	0

3/2/20 16:00	9.4	205.1	025	24.32	63.61	28.68	0
3/2/20 17:00	10.9	210.2	022	20.79	62.64	30.09	0
3/2/20 18:00	11.7	211.7	023	29.59	62.66	31.18	0
3/2/20 19:00	11.8	227.5	025	28.03	61.24	36.10	0
3/2/20 20:00	10.3	233.3	025	24.37	59.78	40.64	0
3/2/20 21:00	9.7	225.6	021	21.07	59.35	42.37	0
3/2/20 22:00	6.4	232.9	023	14.70	54.45	63.64	0.04
3/2/20 23:00	2.4	258.5	029	5.82	51.98	74.79	0.04
3/3/20 0:00	4.6	226.4	032	12.50	50.39	82.10	0.05
3/3/20 1:00	2.2	218.4	030	8.93	49.02	88.90	0.01
3/3/20 2:00	2.6	258.3	038	5.04	48.44	90.20	0
3/3/20 3:00	2.3	243.2	022	6.00	48.35	86.40	0
3/3/20 4:00	3.5	232.7	019	6.96	48.68	81.30	0
3/3/20 5:00	2.5	261.3	024	7.24	48.80	76.40	0
3/3/20 6:00	0.8	114.0	065	2.89	46.78	80.40	0
3/3/20 7:00	1.7	138.5	032	4.53	45.39	84.50	0
3/3/20 8:00	0.7	187.8	033	4.08	44.06	87.60	0
3/3/20 9:00	1.4	155.6	023	3.53	46.33	82.10	0
3/3/20 10:00	1.9	159.1	026	5.36	48.88	77.55	0
3/3/20 11:00	3.7	184.6	028	8.75	50.56	73.19	0
3/3/20 12:00	3.8	188.6	028	9.80	51.24	75.11	0
3/3/20 13:00	3.7	173.8	027	11.36	51.08	82.30	0.01
3/3/20 14:00	5.8	193.3	026	13.60	51.29	90.20	0
3/3/20 15:00	7.4	204.7	022	16.21	52.77	92.10	0
3/3/20 16:00	7.6	217.7	024	16.44	57.15	82.00	0
3/3/20 17:00	7.1	230.1	028	17.77	61.98	67.03	0
3/3/20 18:00	6.9	213.5	022	14.11	62.99	62.36	0
3/3/20 19:00	5.3	206.2	019	13.60	62.38	62.27	0
3/3/20 20:00	4.6	206.9	022	13.92	60.77	65.87	0
3/3/20 21:00	6.4	254.7	023	13.92	58.68	76.59	0
3/3/20 22:00	9.6	291.9	021	29.40	56.75	78.60	0.01
3/3/20 23:00	12.3	302.8	013	25.19	55.40	64.39	0
3/4/20 0:00	10.6	300.6	015	23.95	53.43	51.14	0
3/4/20 1:00	9.6	278.5	043	36.41	51.65	53.62	0
3/4/20 2:00	16.0	309.8	012	27.94	48.47	60.81	0
3/4/20 3:00	12.9	300.7	015	25.60	47.92	57.90	0
3/4/20 4:00	5.3	279.4	021	13.42	46.82	55.65	0
3/4/20 5:00	3.9	275.9	019	8.93	45.79	52.06	0
3/4/20 6:00	5.4	296.2	019	15.11	45.08	51.79	0
3/4/20 7:00	8.7	294.7	015	18.73	45.80	49.68	0
3/4/20 8:00	5.1	287.6	019	9.16	43.94	54.19	0
3/4/20 9:00	7.8	300.8	011	14.79	45.50	50.79	0

3/4/20 10:00	9.5	299.8	015	17.59	47.65	45.17	0
3/4/20 11:00	9.8	294.0	018	17.63	50.10	39.30	0
3/4/20 12:00	9.9	290.2	020	19.74	52.37	33.77	0
3/4/20 13:00	10.9	289.6	020	19.83	54.39	30.17	0
3/4/20 14:00	11.1	292.2	020	21.16	56.77	28.10	0
3/4/20 15:00	10.0	288.9	026	20.93	58.88	26.19	0
3/4/20 16:00	8.1	270.2	031	16.58	61.08	23.59	0
3/4/20 17:00	8.1	261.6	034	15.48	62.30	21.14	0
3/4/20 18:00	5.8	238.9	031	13.69	62.67	20.65	0
3/4/20 19:00	5.0	234.2	027	11.40	61.07	22.06	0
3/4/20 20:00	4.8	235.8	021	12.92	59.75	23.32	0
3/4/20 21:00	4.5	272.1	024	8.70	58.16	26.68	0
3/4/20 22:00	4.2	292.9	013	9.34	56.50	29.32	0
3/4/20 23:00	3.4	288.2	019	6.73	54.89	31.02	0
3/5/20 0:00	2.5	286.7	021	5.36	53.55	32.48	0
3/5/20 1:00	3.4	322.7	018	8.15	52.14	35.20	0
3/5/20 2:00	6.2	342.8	014	12.82	51.25	41.67	0
3/5/20 3:00	8.8	341.4	019	19.60	49.02	54.30	0
3/5/20 4:00	9.5	342.2	018	18.87	46.03	54.48	0
3/5/20 5:00	6.9	345.8	020	14.98	43.20	48.54	0
3/5/20 6:00	3.4	345.7	017	7.92	41.00	49.32	0
3/5/20 7:00	1.9	344.5	060	3.99	39.56	50.97	0
3/5/20 8:00	1.9	337.9	026	5.18	38.50	53.33	0
3/5/20 9:00	1.5	334.1	018	5.54	39.68	55.06	0
3/5/20 10:00	6.3	334.1	017	12.23	42.69	48.82	0
3/5/20 11:00	5.8	348.0	030	13.47	44.08	45.58	0
3/5/20 12:00	4.4	340.4	050	11.13	46.24	41.38	0
3/5/20 13:00	3.4	338.4	088	8.93	48.38	34.89	0
3/5/20 14:00	3.0	250.1	064	7.56	50.40	28.47	0
3/5/20 15:00	3.4	208.3	083	8.02	51.35	26.94	0
3/5/20 16:00	3.6	192.3	065	10.76	51.95	28.37	0
3/5/20 17:00	3.8	237.0	038	8.93	52.12	29.78	0
3/5/20 18:00	3.1	162.2	034	8.47	52.01	30.14	0
3/5/20 19:00	2.9	159.3	026	7.10	50.70	29.62	0
3/5/20 20:00	2.7	145.2	019	8.20	48.76	36.35	0
3/5/20 21:00	3.5	148.0	021	7.92	46.27	46.17	0
3/5/20 22:00	2.7	142.9	016	5.95	44.68	48.02	0
3/5/20 23:00	2.2	150.7	023	5.13	43.46	50.55	0
3/6/20 0:00	2.6	155.4	021	5.91	43.12	50.53	0
3/6/20 1:00	2.0	127.6	032	5.63	42.02	52.52	0
3/6/20 2:00	1.3	111.2	044	3.07	38.86	60.16	0
3/6/20 3:00	1.9	139.0	020	4.86	37.00	66.52	0

3/6/20 4:00	4.2	158.0	032	14.11	37.20	70.64	0
3/6/20 5:00	1.9	127.8	023	4.31	37.17	73.68	0
3/6/20 6:00	2.6	37.4	039	4.49	35.08	81.20	0
3/6/20 7:00	2.2	14.5	031	6.64	31.31	90.10	0
3/6/20 8:00	1.7	32.3	048	4.35	30.89	92.20	0
3/6/20 9:00	1.3	20.9	038	3.34	32.47	92.50	0
3/6/20 10:00	2.3	26.3	025	4.72	34.81	87.90	0
3/6/20 11:00	3.2	50.6	040	5.95	37.31	82.90	0
3/6/20 12:00	2.4	27.0	026	5.22	39.18	79.10	0
3/6/20 13:00	4.1	7.2	030	12.27	41.41	70.37	0
3/6/20 14:00	5.8	6.7	032	12.87	42.51	68.18	0
3/6/20 15:00	8.4	357.4	028	15.89	45.82	61.60	0
3/6/20 16:00	8.5	356.7	026	19.69	48.20	54.99	0
3/6/20 17:00	9.2	341.5	025	25.56	45.18	67.79	0.03
3/6/20 18:00	6.2	341.7	022	19.88	44.03	71.72	0
3/6/20 19:00	5.8	334.6	020	22.81	44.35	70.51	0
3/6/20 20:00	9.3	325.0	012	23.13	43.02	65.64	0
3/6/20 21:00	7.9	334.2	014	14.20	42.47	65.48	0
3/6/20 22:00	8.7	331.9	012	17.82	41.45	64.49	0
3/6/20 23:00	10.8	330.5	013	21.21	41.24	63.25	0
3/7/20 0:00	11.9	332.7	016	23.45	41.67	61.40	0
3/7/20 1:00	10.4	335.8	017	21.57	41.27	59.48	0
3/7/20 2:00	11.2	336.9	016	23.95	40.03	62.77	0
3/7/20 3:00	12.2	340.4	018	27.07	39.93	59.34	0
3/7/20 4:00	11.9	342.3	021	23.77	38.79	60.33	0
3/7/20 5:00	8.7	345.1	019	20.47	37.82	62.24	0
3/7/20 6:00	9.5	338.6	016	18.09	37.24	62.39	0
3/7/20 7:00	8.9	339.9	016	15.62	36.26	61.96	0
3/7/20 8:00	8.7	338.8	018	21.39	36.33	59.94	0
3/7/20 9:00	12.1	341.0	019	21.43	36.88	53.29	0
3/7/20 10:00	12.5	339.3	022	25.24	38.17	50.65	0
3/7/20 11:00	11.5	343.4	025	24.41	39.37	48.65	0
3/7/20 12:00	12.7	331.8	020	22.76	40.61	46.23	0
3/7/20 13:00	12.4	344.3	023	25.92	42.23	39.40	0
3/7/20 14:00	13.2	336.8	020	23.04	44.16	33.20	0
3/7/20 15:00	11.2	340.6	023	21.66	46.15	29.24	0
3/7/20 16:00	11.1	341.7	025	21.48	47.53	26.69	0
3/7/20 17:00	9.1	344.4	022	18.00	48.42	23.21	0
3/7/20 18:00	8.5	349.4	023	18.05	48.39	21.34	0
3/7/20 19:00	9.1	342.9	018	19.14	47.49	21.58	0
3/7/20 20:00	4.0	347.2	014	8.98	45.46	23.52	0
3/7/20 21:00	4.2	328.0	014	8.20	43.29	29.10	0

3/7/20 22:00	5.4	325.1	010	9.80	42.02	32.93	0
3/7/20 23:00	5.3	321.5	009	10.08	41.16	36.53	0
3/8/20 0:00	5.1	316.0	009	10.17	39.98	39.70	0
3/8/20 1:00	5.9	322.7	008	10.31	39.12	42.69	0
3/8/20 2:00	5.3	325.0	007	9.53	38.40	45.12	0
3/8/20 3:00	3.7	324.6	005	7.01	37.12	48.21	0
3/8/20 4:00	2.6	319.3	008	4.49	36.26	50.09	0
3/8/20 5:00	1.2	310.0	015	3.21	34.65	54.19	0
3/8/20 6:00	0.9	311.7	008	2.93	33.26	57.74	0
3/8/20 7:00	1.9	344.4	030	6.41	33.80	57.28	0
3/8/20 8:00	1.3	355.6	031	3.48	32.92	60.77	0
3/8/20 9:00	0.5	48.9	032	3.11	36.31	58.86	0
3/8/20 10:00	3.5	278.9	037	8.98	42.36	42.08	0
3/8/20 11:00	4.9	247.2	034	10.90	46.23	29.99	0
3/8/20 12:00	6.3	230.9	031	14.11	49.38	24.49	0
3/8/20 13:00	6.8	229.8	029	15.02	53.14	16.87	0
3/8/20 14:00	6.2	238.6	036	17.17	56.39	12.25	0
3/8/20 15:00	6.3	221.6	037	12.55	58.49	9.80	0
3/8/20 16:00	6.2	248.3	033	14.61	60.16	9.47	0
3/8/20 17:00	6.2	248.2	028	13.28	61.13	8.97	0
3/8/20 18:00	6.8	226.5	027	13.83	60.92	9.59	0
3/8/20 19:00	5.0	193.1	024	11.59	59.36	13.59	0
3/8/20 20:00	3.7	191.1	020	8.34	56.68	16.75	0
3/8/20 21:00	2.8	187.0	018	6.41	54.66	19.41	0
3/8/20 22:00	2.7	191.5	018	5.82	53.20	22.41	0
3/8/20 23:00	2.6	193.4	016	5.63	51.94	25.20	0
3/9/20 0:00	2.3	185.4	016	4.81	50.81	26.97	0
3/9/20 1:00	2.0	176.1	018	4.08	49.73	28.80	0
3/9/20 2:00	1.6	201.2	023	5.13	49.63	30.05	0
3/9/20 3:00	1.0	183.8	023	2.75	48.61	31.98	0
3/9/20 4:00	1.6	160.5	018	2.93	47.73	33.56	0
3/9/20 5:00	1.5	172.5	014	3.21	46.46	35.87	0
3/9/20 6:00	0.8	190.8	025	2.34	44.10	41.39	0
3/9/20 7:00	1.2	161.7	015	2.52	43.94	41.97	0
3/9/20 8:00	0.5	135.6	050	2.20	40.74	48.52	0
3/9/20 9:00	0.0	57.4	022	1.01	46.68	45.18	0
3/9/20 10:00	2.9	234.7	027	7.69	51.17	37.12	0
3/9/20 11:00	3.6	202.7	031	8.34	56.36	30.97	0
3/9/20 12:00	3.3	223.2	060	8.06	62.04	26.14	0
3/9/20 13:00	4.7	265.3	045	13.05	66.70	18.61	0
3/9/20 14:00	6.4	268.6	034	12.18	69.56	13.35	0
3/9/20 15:00	5.9	224.5	032	14.20	71.71	11.53	0

3/9/20 16:00	6.5	214.9	031	15.43	72.72	9.94	0
3/9/20 17:00	6.3	204.3	026	16.21	73.04	11.69	0
3/9/20 18:00	6.4	200.5	025	14.47	71.72	14.60	0
3/9/20 19:00	3.4	189.9	023	10.53	69.72	15.92	0
3/9/20 20:00	1.9	177.9	021	4.81	67.11	16.83	0
3/9/20 21:00	3.3	186.1	022	7.88	64.86	19.23	0
3/9/20 22:00	5.9	210.1	019	11.95	64.27	20.63	0
3/9/20 23:00	6.6	217.1	022	14.70	63.74	23.31	0
3/10/20 0:00	7.3	219.2	020	13.97	62.68	29.09	0
3/10/20 1:00	7.6	223.9	023	14.61	61.73	34.23	0
3/10/20 2:00	6.4	223.5	021	12.96	60.65	39.26	0
3/10/20 3:00	6.3	222.6	020	13.33	59.79	43.72	0
3/10/20 4:00	6.6	222.2	019	12.73	58.93	47.55	0
3/10/20 5:00	5.9	225.6	020	11.36	58.23	51.02	0
3/10/20 6:00	4.6	227.9	021	9.53	57.42	54.29	0
3/10/20 7:00	5.4	223.1	022	11.95	57.50	55.94	0
3/10/20 8:00	5.6	221.4	022	13.33	57.20	59.02	0
3/10/20 9:00	7.0	204.5	030	18.23	56.43	67.01	0
3/10/20 10:00	8.8	206.1	019	18.27	57.02	67.70	0
3/10/20 11:00	8.3	205.5	018	14.89	56.93	71.55	0
3/10/20 12:00	9.2	206.4	019	17.31	59.10	66.71	0
3/10/20 13:00	9.6	212.0	019	19.10	60.46	66.90	0
3/10/20 14:00	10.2	219.6	022	28.17	62.69	61.89	0
3/10/20 15:00	11.8	220.1	024	24.46	66.74	53.92	0
3/10/20 16:00	10.9	219.9	026	25.46	68.58	49.21	0
3/10/20 17:00	9.9	222.3	025	19.92	68.57	50.13	0
3/10/20 18:00	7.9	227.6	025	17.31	67.79	53.06	0
3/10/20 19:00	8.8	225.2	021	17.50	67.39	54.90	0
3/10/20 20:00	6.4	231.8	023	14.01	66.45	56.71	0
3/10/20 21:00	4.7	251.2	022	11.13	65.82	58.71	0
3/10/20 22:00	7.4	310.0	028	22.03	61.87	74.30	0.04
3/10/20 23:00	7.5	328.7	011	19.51	58.15	84.50	0
3/11/20 0:00	11.3	333.0	014	21.66	56.26	72.55	0
3/11/20 1:00	9.0	325.0	015	22.21	53.84	67.18	0
3/11/20 2:00	8.6	320.4	013	17.91	51.90	68.03	0
3/11/20 3:00	7.3	326.2	014	13.42	50.26	69.82	0
3/11/20 4:00	6.5	344.0	023	14.01	48.45	70.62	0
3/11/20 5:00	4.1	346.7	027	9.48	46.51	74.16	0
3/11/20 6:00	2.5	349.5	029	8.06	44.68	78.14	0
3/11/20 7:00	2.8	342.9	020	7.01	42.86	81.90	0
3/11/20 8:00	1.1	11.2	050	4.40	42.13	81.70	0
3/11/20 9:00	2.4	28.4	023	6.69	43.54	76.48	0

3/11/20 10:00	4.2	32.1	025	9.66	45.61	64.98	0
3/11/20 11:00	3.3	35.7	034	8.79	47.24	59.40	0
3/11/20 12:00	4.0	124.6	053	9.62	49.28	55.01	0
3/11/20 13:00	2.3	130.4	039	8.15	49.67	53.48	0
3/11/20 14:00	2.0	63.6	036	4.40	49.24	58.67	0
3/11/20 15:00	2.3	72.0	044	6.09	47.95	68.43	0
3/11/20 16:00	2.1	91.1	059	5.91	48.87	66.26	0
3/11/20 17:00	2.1	34.1	038	5.86	49.80	64.71	0
3/11/20 18:00	2.8	16.7	033	6.23	50.05	63.87	0
3/11/20 19:00	2.6	24.1	021	6.28	49.74	64.11	0
3/11/20 20:00	2.1	52.0	027	5.40	48.92	64.77	0
3/11/20 21:00	1.3	59.7	024	2.79	47.91	66.18	0
3/11/20 22:00	1.6	46.8	033	3.11	46.53	68.74	0
3/11/20 23:00	1.4	2.1	018	4.67	45.45	70.48	0
3/12/20 0:00	0.2	115.3	035	1.01	44.03	74.48	0
3/12/20 1:00	1.7	22.2	025	3.25	43.57	78.41	0
3/12/20 2:00	1.7	44.9	041	3.71	41.66	85.30	0
3/12/20 3:00	2.6	24.8	027	4.67	40.28	88.70	0
3/12/20 4:00	1.0	24.8	039	3.57	40.03	90.90	0
3/12/20 5:00	3.0	29.7	012	5.13	41.68	81.30	0
3/12/20 6:00	2.1	48.4	028	4.49	42.46	80.30	0
3/12/20 7:00	1.0	90.0	054	2.57	43.23	79.20	0
3/12/20 8:00	1.6	51.6	045	3.62	43.45	81.70	0
3/12/20 9:00	1.9	107.6	025	4.35	44.94	79.05	0
3/12/20 10:00	2.8	132.1	028	6.60	47.93	75.30	0
3/12/20 11:00	3.9	137.8	032	9.11	51.39	66.75	0
3/12/20 12:00	4.9	181.8	035	11.45	55.26	62.11	0
3/12/20 13:00	5.5	159.1	033	13.51	57.34	58.78	0
3/12/20 14:00	5.6	159.2	038	13.33	59.96	55.20	0
3/12/20 15:00	5.7	153.5	039	14.06	61.03	55.18	0
3/12/20 16:00	7.0	140.3	030	14.93	61.12	52.78	0
3/12/20 17:00	7.0	135.1	027	16.58	59.87	55.53	0
3/12/20 18:00	5.6	132.3	024	14.52	58.04	61.53	0
3/12/20 19:00	6.2	131.3	021	13.60	56.36	62.30	0
3/12/20 20:00	5.0	133.0	022	11.72	54.44	68.63	0
3/12/20 21:00	5.5	131.7	022	13.56	53.50	70.10	0
3/12/20 22:00	4.8	130.7	020	12.87	52.43	68.57	0
3/12/20 23:00	4.7	125.6	021	10.58	51.42	72.70	0
3/13/20 0:00	4.3	128.4	021	10.26	50.36	79.14	0
3/13/20 1:00	3.8	123.8	019	7.97	49.68	84.70	0
3/13/20 2:00	3.1	126.8	019	7.83	49.09	90.30	0.01
3/13/20 3:00	3.5	128.4	017	7.74	48.32	98.40	0.09

3/13/20 4:00	3.1	134.5	026	7.37	48.60	99.80	0.15
3/13/20 5:00	5.2	143.3	023	14.70	49.07	100.00	0.03
3/13/20 6:00	2.1	135.5	041	6.00	50.56	100.00	0
3/13/20 7:00	2.4	188.1	028	7.83	51.43	100.00	0
3/13/20 8:00	3.5	211.6	023	8.84	52.12	99.70	0
3/13/20 9:00	4.2	225.4	029	11.77	52.93	98.60	0
3/13/20 10:00	4.5	237.6	027	12.37	53.51	98.10	0
3/13/20 11:00	5.6	262.5	025	11.72	55.49	94.70	0
3/13/20 12:00	6.2	276.0	025	12.55	60.72	82.40	0
3/13/20 13:00	9.8	310.4	017	19.33	65.67	68.02	0
3/13/20 14:00	12.5	304.5	019	24.55	69.57	50.75	0
3/13/20 15:00	15.2	301.8	014	30.04	70.79	36.62	0
3/13/20 16:00	13.8	301.4	016	29.04	70.52	32.27	0
3/13/20 17:00	12.5	319.6	012	23.77	68.62	28.70	0
3/13/20 18:00	12.9	317.2	011	23.86	66.53	23.43	0
3/13/20 19:00	15.1	314.1	012	25.69	64.34	19.50	0
3/13/20 20:00	14.3	320.4	014	28.12	62.21	20.44	0
3/13/20 21:00	14.3	307.8	011	24.32	60.46	23.28	0
3/13/20 22:00	9.2	301.9	012	17.59	58.48	26.58	0
3/13/20 23:00	8.7	308.5	011	19.56	57.03	25.21	0
3/14/20 0:00	10.7	313.8	011	20.29	55.32	22.15	0
3/14/20 1:00	9.7	327.2	020	21.71	53.75	21.67	0
3/14/20 2:00	8.9	329.7	015	17.17	52.11	25.90	0
3/14/20 3:00	10.2	329.4	017	20.75	49.94	28.87	0
3/14/20 4:00	5.8	336.6	024	12.41	48.11	29.86	0
3/14/20 5:00	5.2	333.8	012	10.53	46.20	32.77	0
3/14/20 6:00	5.7	326.6	009	11.50	44.78	38.51	0
3/14/20 7:00	6.3	335.5	017	10.90	43.90	41.80	0
3/14/20 8:00	3.2	339.1	019	7.69	43.12	42.03	0
3/14/20 9:00	3.0	333.4	044	9.25	44.79	40.93	0
3/14/20 10:00	7.3	320.2	020	12.96	45.99	37.02	0
3/14/20 11:00	8.8	319.4	016	16.72	47.17	30.92	0
3/14/20 12:00	6.7	323.4	029	13.69	48.85	29.09	0
3/14/20 13:00	6.5	309.5	041	14.93	50.95	26.31	0
3/14/20 14:00	6.4	311.0	029	13.28	52.33	24.22	0
3/14/20 15:00	5.0	309.7	035	13.28	53.51	24.11	0
3/14/20 16:00	5.5	316.6	028	13.51	54.23	22.35	0
3/14/20 17:00	8.1	332.3	022	14.70	53.62	23.11	0
3/14/20 18:00	4.9	337.9	020	12.55	52.79	24.18	0
3/14/20 19:00	5.8	338.2	018	15.34	50.56	32.66	0
3/14/20 20:00	5.0	354.0	018	10.81	44.82	58.20	0
3/14/20 21:00	4.2	2.4	026	9.71	44.53	63.78	0

3/14/20 22:00	4.0	3.1	026	13.60	42.52	78.47	0.01
3/14/20 23:00	4.5	4.6	026	11.91	40.81	86.20	0.02
3/15/20 0:00	3.5	21.7	039	9.85	39.20	91.00	0.04
3/15/20 1:00	3.2	52.4	034	10.12	38.28	93.00	0.04
3/15/20 2:00	2.9	55.4	028	9.57	37.59	94.80	0.03
3/15/20 3:00	3.7	70.1	020	7.92	37.33	96.10	0.02
3/15/20 4:00	3.6	73.7	020	7.19	37.30	95.50	0.01
3/15/20 5:00	2.4	81.3	019	4.86	37.25	96.80	0.03
3/15/20 6:00	2.7	83.1	019	5.68	37.45	96.70	0.01
3/15/20 7:00	2.2	56.4	023	6.14	37.57	96.80	0.02
3/15/20 8:00	2.1	35.3	037	7.15	37.55	97.50	0
3/15/20 9:00	2.4	31.2	036	6.87	37.70	95.70	0
3/15/20 10:00	2.8	39.2	035	8.15	38.69	93.40	0
3/15/20 11:00	3.6	48.7	035	10.03	40.38	88.80	0
3/15/20 12:00	3.9	70.0	037	11.45	42.52	80.40	0
3/15/20 13:00	3.0	27.5	037	9.85	43.74	74.23	0
3/15/20 14:00	3.8	53.4	042	9.16	45.64	67.07	0
3/15/20 15:00	3.4	62.2	037	9.07	46.75	60.60	0
3/15/20 16:00	3.8	352.5	033	9.43	47.30	57.49	0
3/15/20 17:00	2.4	343.4	024	5.04	47.15	58.31	0
3/15/20 18:00	1.7	288.5	042	4.08	48.43	54.94	0
3/15/20 19:00	1.6	260.3	038	5.45	48.41	53.33	0
3/15/20 20:00	1.8	283.3	032	5.73	46.48	58.93	0
3/15/20 21:00	1.7	320.9	010	3.66	44.39	65.96	0
3/15/20 22:00	0.9	319.3	012	2.29	42.88	70.14	0
3/15/20 23:00	0.6	329.3	016	1.70	40.78	75.87	0
3/16/20 0:00	1.4	353.2	042	3.48	39.52	80.00	0
3/16/20 1:00	1.3	7.6	032	5.13	37.12	86.70	0
3/16/20 2:00	1.5	8.2	024	6.64	36.58	79.00	0
3/16/20 3:00	1.1	17.5	033	4.26	36.90	62.52	0
3/16/20 4:00	1.9	39.3	036	6.14	36.85	54.80	0
3/16/20 5:00	2.1	37.4	038	6.23	36.62	49.83	0
3/16/20 6:00	2.3	48.5	035	6.32	35.97	46.69	0
3/16/20 7:00	2.6	52.8	027	6.14	35.04	45.09	0
3/16/20 8:00	2.4	64.2	025	5.59	34.68	44.51	0
3/16/20 9:00	3.6	87.4	025	8.06	37.10	43.95	0
3/16/20 10:00	4.8	121.2	026	13.60	41.48	52.22	0
3/16/20 11:00	5.8	139.4	036	11.86	45.16	49.17	0
3/16/20 12:00	5.5	148.9	038	17.50	47.43	45.79	0
3/16/20 13:00	5.4	161.0	037	13.92	48.83	43.04	0
3/16/20 14:00	5.3	146.8	042	12.96	50.43	40.67	0
3/16/20 15:00	4.8	160.8	042	13.56	51.71	37.63	0

3/16/20 16:00	5.2	155.5	040	12.64	52.07	34.33	0
3/16/20 17:00	5.7	146.9	030	13.88	50.61	35.11	0
3/16/20 18:00	5.5	148.6	029	14.43	49.84	40.20	0
3/16/20 19:00	4.7	148.6	029	14.75	49.36	45.44	0
3/16/20 20:00	4.8	145.6	025	11.31	48.27	51.57	0
3/16/20 21:00	6.7	146.8	025	16.67	46.63	60.89	0
3/16/20 22:00	6.7	143.3	024	17.31	45.33	66.69	0
3/16/20 23:00	5.6	149.3	026	13.42	44.58	67.31	0
3/17/20 0:00	4.9	152.5	027	12.87	43.79	66.82	0
3/17/20 1:00	4.1	151.6	025	10.03	43.26	69.68	0
3/17/20 2:00	3.1	158.0	029	9.02	42.86	72.69	0
3/17/20 3:00	3.2	156.9	029	8.84	42.53	75.03	0
3/17/20 4:00	2.2	155.8	027	5.63	42.14	77.28	0
3/17/20 5:00	2.2	154.6	026	5.91	41.96	78.53	0
3/17/20 6:00	2.6	166.6	033	6.23	42.04	80.60	0
3/17/20 7:00	2.7	173.9	036	8.38	42.34	82.50	0
3/17/20 8:00	2.9	180.7	031	8.11	42.40	84.90	0
3/17/20 9:00	2.5	170.1	030	6.41	42.63	87.70	0
3/17/20 10:00	3.8	198.8	032	9.39	43.81	86.10	0
3/17/20 11:00	3.7	209.7	030	8.20	45.68	82.60	0
3/17/20 12:00	4.9	216.0	033	10.95	49.34	73.85	0
3/17/20 13:00	5.0	268.2	033	11.63	52.64	67.06	0
3/17/20 14:00	4.8	242.2	037	10.95	56.84	60.21	0
3/17/20 15:00	4.7	264.5	034	11.54	57.79	59.30	0
3/17/20 16:00	4.9	315.3	038	11.08	60.15	55.89	0
3/17/20 17:00	3.7	340.4	044	12.41	61.30	54.25	0
3/17/20 18:00	5.4	315.1	024	13.19	61.24	55.22	0
3/17/20 19:00	6.4	327.9	016	14.52	60.52	57.63	0
3/17/20 20:00	7.5	342.3	018	15.16	58.00	60.83	0
3/17/20 21:00	6.1	343.9	020	16.35	55.01	64.67	0
3/17/20 22:00	5.6	346.7	022	13.42	52.49	66.20	0
3/17/20 23:00	6.0	338.6	016	12.37	50.66	66.92	0
3/18/20 0:00	5.6	341.7	016	11.31	49.03	66.13	0
3/18/20 1:00	2.3	4.4	031	7.33	47.81	67.80	0
3/18/20 2:00	3.1	359.1	033	8.34	46.59	66.63	0
3/18/20 3:00	3.2	355.3	023	9.71	45.60	64.15	0
3/18/20 4:00	1.2	28.4	042	4.99	43.03	71.00	0
3/18/20 5:00	1.4	26.3	048	4.12	41.27	76.03	0
3/18/20 6:00	1.9	25.3	038	5.22	39.57	77.28	0
3/18/20 7:00	1.1	36.4	035	4.03	39.14	74.42	0
3/18/20 8:00	1.3	40.2	037	4.26	38.42	74.43	0
3/18/20 9:00	1.9	71.9	027	6.41	41.34	67.52	0

3/18/20 10:00	4.6	84.9	032	10.81	45.18	52.73	0
3/18/20 11:00	6.0	118.5	031	13.33	47.86	44.01	0
3/18/20 12:00	4.7	150.7	045	11.31	50.04	41.52	0
3/18/20 13:00	4.2	151.9	056	11.72	52.41	39.56	0
3/18/20 14:00	5.0	157.6	043	11.59	52.63	40.41	0
3/18/20 15:00	4.3	172.3	034	11.54	53.00	41.12	0
3/18/20 16:00	5.1	162.8	036	13.92	54.47	41.64	0
3/18/20 17:00	3.8	160.5	038	9.80	54.19	43.12	0
3/18/20 18:00	5.2	139.8	030	12.05	54.05	44.13	0
3/18/20 19:00	4.2	153.6	029	9.57	53.91	45.83	0
3/18/20 20:00	3.6	169.6	034	10.44	53.62	50.77	0
3/18/20 21:00	4.4	166.8	027	10.26	50.12	71.82	0.01
3/18/20 22:00	3.8	156.0	026	11.77	48.59	80.90	0
3/18/20 23:00	4.3	156.3	027	11.82	48.50	80.50	0.01
3/19/20 0:00	4.1	153.2	022	12.92	46.74	89.90	0.06
3/19/20 1:00	4.5	162.7	025	11.36	46.35	95.00	0.06
3/19/20 2:00	3.7	175.4	025	11.72	46.73	97.30	0.03
3/19/20 3:00	4.6	200.2	026	9.53	47.14	97.70	0.15
3/19/20 4:00	3.0	255.4	041	7.79	46.98	98.50	0.24
3/19/20 5:00	3.8	195.4	023	10.31	46.89	99.00	0.05
3/19/20 6:00	3.0	197.4	023	8.06	47.49	98.60	0.01
3/19/20 7:00	2.9	198.8	021	6.87	48.09	98.90	0.01
3/19/20 8:00	2.4	188.2	027	5.68	48.63	99.00	0
3/19/20 9:00	3.1	211.5	023	8.47	50.10	98.50	0
3/19/20 10:00	2.8	246.2	034	7.01	51.29	98.00	0
3/19/20 11:00	2.2	252.5	041	5.31	52.47	96.90	0
3/19/20 12:00	3.2	256.9	030	7.47	53.83	94.70	0
3/19/20 13:00	2.1	256.2	052	6.46	56.86	88.10	0
3/19/20 14:00	2.1	209.1	063	6.41	59.90	81.70	0
3/19/20 15:00	1.8	237.8	067	5.18	63.34	74.85	0
3/19/20 16:00	2.6	107.1	046	5.95	65.19	72.27	0
3/19/20 17:00	3.2	151.3	046	8.47	67.81	66.54	0
3/19/20 18:00	3.9	132.8	038	9.16	68.22	66.09	0
3/19/20 19:00	5.2	114.8	020	12.09	66.00	71.08	0
3/19/20 20:00	5.9	108.1	020	13.10	61.17	79.52	0
3/19/20 21:00	3.6	117.5	021	8.15	57.88	88.20	0
3/19/20 22:00	4.1	121.8	019	9.43	56.89	92.80	0
3/19/20 23:00	3.9	135.0	033	10.03	56.22	95.50	0
3/20/20 0:00	4.4	129.3	023	10.49	55.64	97.40	0
3/20/20 1:00	3.6	140.5	026	9.76	55.59	98.60	0
3/20/20 2:00	3.3	143.7	027	8.06	55.80	98.80	0
3/20/20 3:00	2.0	147.1	024	6.87	56.11	99.10	0

3/20/20 4:00	1.1	130.1	041	4.99	57.04	98.50	0
3/20/20 5:00	1.0	107.0	047	2.98	57.00	97.80	0
3/20/20 6:00	0.6	139.3	017	1.65	57.85	97.50	0
3/20/20 7:00	1.0	167.2	028	5.31	57.85	97.60	0
3/20/20 8:00	2.9	201.7	017	8.20	60.76	91.60	0
3/20/20 9:00	4.7	203.2	020	10.26	65.79	80.50	0
3/20/20 10:00	6.5	218.2	021	14.24	69.19	71.87	0
3/20/20 11:00	8.6	218.3	022	16.21	70.78	68.60	0
3/20/20 12:00	7.5	213.6	022	16.17	71.90	66.33	0
3/20/20 13:00	10.2	213.0	020	20.47	73.30	62.64	0
3/20/20 14:00	9.0	222.5	024	19.74	73.36	62.20	0
3/20/20 15:00	9.8	220.9	022	25.51	73.84	59.72	0
3/20/20 16:00	10.4	219.9	024	21.02	77.82	49.92	0
3/20/20 17:00	12.1	216.0	021	21.34	78.29	47.89	0
3/20/20 18:00	9.9	224.5	023	20.75	77.66	49.63	0
3/20/20 19:00	6.5	233.7	022	17.50	76.88	50.58	0
3/20/20 20:00	5.6	229.9	021	13.79	75.68	50.67	0
3/20/20 21:00	4.7	280.2	048	10.85	74.28	51.15	0
3/20/20 22:00	5.5	332.9	017	11.72	71.96	53.90	0
3/20/20 23:00	4.8	342.4	016	9.07	68.85	58.00	0
3/21/20 0:00	5.8	330.1	012	11.77	67.24	60.37	0
3/21/20 1:00	5.9	328.6	011	11.04	66.24	63.18	0
3/21/20 2:00	7.0	331.9	012	15.07	65.36	65.45	0
3/21/20 3:00	7.8	334.2	016	16.21	62.30	65.25	0
3/21/20 4:00	7.2	345.6	022	17.77	59.21	63.44	0
3/21/20 5:00	8.9	341.6	021	18.55	54.77	63.83	0
3/21/20 6:00	8.5	339.5	020	19.05	51.26	60.10	0
3/21/20 7:00	8.5	339.9	019	19.74	49.21	61.92	0
3/21/20 8:00	7.1	352.2	026	17.04	47.52	60.65	0
3/21/20 9:00	7.2	0.7	026	15.66	46.38	57.40	0
3/21/20 10:00	7.1	3.0	028	17.22	46.03	55.45	0
3/21/20 11:00	7.9	0.7	028	17.45	46.12	55.71	0
3/21/20 12:00	7.4	0.0	030	16.63	45.96	53.69	0
3/21/20 13:00	5.2	12.3	033	12.32	46.06	52.96	0
3/21/20 14:00	4.7	15.7	035	11.68	46.79	50.76	0
3/21/20 15:00	6.1	356.3	035	12.73	47.78	46.79	0
3/21/20 16:00	5.0	4.2	034	10.81	48.63	45.79	0
3/21/20 17:00	4.2	18.9	041	9.89	49.10	45.22	0
3/21/20 18:00	3.9	12.2	034	9.62	49.19	45.25	0
3/21/20 19:00	3.5	35.2	026	9.07	48.56	46.07	0
3/21/20 20:00	2.6	35.1	028	7.10	47.68	47.60	0
3/21/20 21:00	3.1	15.7	023	7.28	46.84	47.14	0

3/21/20 22:00	4.3	18.8	025	9.02	45.88	46.45	0
3/21/20 23:00	4.1	19.1	027	10.26	44.82	44.57	0
3/22/20 0:00	4.1	11.6	023	10.63	43.73	45.36	0
3/22/20 1:00	2.9	9.2	025	6.55	42.94	46.39	0
3/22/20 2:00	4.0	3.5	022	9.62	42.17	46.93	0
3/22/20 3:00	3.8	12.2	028	10.08	40.96	49.02	0
3/22/20 4:00	3.6	36.6	024	8.34	39.99	48.87	0
3/22/20 5:00	3.3	37.0	028	9.34	39.10	47.44	0
3/22/20 6:00	2.3	33.2	026	7.05	37.61	48.18	0
3/22/20 7:00	2.6	40.0	025	7.15	35.79	49.99	0
3/22/20 8:00	3.8	27.5	024	11.95	34.48	52.47	0
3/22/20 9:00	5.2	42.9	024	12.00	35.33	48.60	0
3/22/20 10:00	5.4	63.4	033	11.86	37.93	42.67	0
3/22/20 11:00	4.3	63.7	043	10.63	40.85	39.90	0
3/22/20 12:00	3.8	81.1	058	9.11	43.69	36.87	0
3/22/20 13:00	5.2	123.2	048	12.55	46.38	34.22	0
3/22/20 14:00	5.8	88.6	040	15.71	46.99	33.78	0
3/22/20 15:00	5.7	114.3	045	11.45	48.17	32.94	0
3/22/20 16:00	6.3	116.9	037	14.15	48.70	36.45	0
3/22/20 17:00	5.3	141.3	033	13.92	48.29	39.23	0
3/22/20 18:00	6.2	127.9	029	15.48	48.02	44.38	0
3/22/20 19:00	7.6	114.4	023	16.67	45.51	65.81	0
3/22/20 20:00	7.3	120.8	021	15.39	44.03	70.03	0
3/22/20 21:00	6.7	128.0	024	16.12	43.49	69.81	0
3/22/20 22:00	6.7	130.8	024	18.46	42.80	70.25	0
3/22/20 23:00	7.3	126.8	022	17.63	41.98	70.34	0
3/23/20 0:00	6.8	124.4	021	13.47	41.42	74.28	0
3/23/20 1:00	5.2	122.9	023	12.87	41.20	76.35	0
3/23/20 2:00	5.5	118.6	023	11.95	41.03	77.45	0
3/23/20 3:00	4.7	109.8	023	13.10	39.49	87.90	0.02
3/23/20 4:00	5.2	122.4	023	13.33	38.65	92.60	0.02
3/23/20 5:00	6.1	115.2	021	12.87	38.20	93.00	0
3/23/20 6:00	5.3	112.2	022	13.79	38.03	93.50	0.01
3/23/20 7:00	5.4	96.5	020	13.37	37.88	95.00	0.01
3/23/20 8:00	6.1	94.4	021	14.29	38.14	93.00	0
3/23/20 9:00	3.5	77.3	031	11.54	38.10	94.50	0.03
3/23/20 10:00	1.7	55.3	032	5.08	38.47	96.70	0.06
3/23/20 11:00	2.2	10.0	028	6.14	39.15	97.00	0.05
3/23/20 12:00	2.9	32.5	028	6.41	39.86	96.20	0.01
3/23/20 13:00	2.6	26.4	028	7.24	40.38	95.60	0
3/23/20 14:00	3.2	357.6	037	6.96	40.97	97.00	0
3/23/20 15:00	3.2	16.9	048	6.92	41.95	95.60	0

3/23/20 16:00	4.6	339.4	019	9.07	42.15	95.10	0
3/23/20 17:00	4.3	346.6	021	10.90	42.41	95.40	0.01
3/23/20 18:00	4.4	333.5	023	8.79	43.73	90.00	0
3/23/20 19:00	4.9	311.9	013	7.28	43.50	89.50	0
3/23/20 20:00	4.3	329.4	013	7.42	43.00	90.20	0
3/23/20 21:00	2.8	342.2	012	6.73	41.67	92.80	0
3/23/20 22:00	2.3	317.0	022	6.05	41.98	93.00	0
3/23/20 23:00	2.5	318.1	027	5.08	41.63	92.80	0
3/24/20 0:00	1.4	265.7	037	3.62	41.37	94.10	0
3/24/20 1:00	3.7	305.7	012	8.38	41.30	94.00	0
3/24/20 2:00	5.0	312.2	013	9.57	41.93	91.70	0
3/24/20 3:00	3.4	313.8	014	7.65	42.04	91.00	0
3/24/20 4:00	3.8	318.7	009	6.78	42.44	89.90	0
3/24/20 5:00	3.7	300.6	015	7.47	43.22	89.40	0
3/24/20 6:00	3.0	311.3	016	5.54	42.61	91.00	0
3/24/20 7:00	4.2	329.6	012	7.24	42.45	89.80	0
3/24/20 8:00	2.6	346.8	018	4.95	43.15	87.80	0
3/24/20 9:00	4.5	340.2	018	9.89	44.16	77.27	0
3/24/20 10:00	4.8	332.2	014	9.30	44.72	75.36	0
3/24/20 11:00	4.2	345.1	027	8.93	45.30	71.85	0
3/24/20 12:00	5.1	326.2	020	9.43	45.66	69.84	0
3/24/20 13:00	2.7	323.9	040	7.01	46.36	68.40	0
3/24/20 14:00	3.5	307.2	055	8.66	47.75	65.87	0
3/24/20 15:00	4.3	284.2	045	9.07	49.99	62.43	0
3/24/20 16:00	2.9	359.5	070	9.66	51.37	59.98	0
3/24/20 17:00	3.2	347.6	049	7.79	52.20	58.24	0
3/24/20 18:00	2.8	237.7	077	6.73	52.27	56.46	0
3/24/20 19:00	2.9	250.2	031	6.96	51.40	58.36	0
3/24/20 20:00	1.5	48.7	038	2.24	50.31	60.83	0
3/24/20 21:00	2.3	106.1	011	7.69	49.14	64.92	0
3/24/20 22:00	3.5	130.1	018	7.37	48.19	70.14	0
3/24/20 23:00	2.4	136.3	019	6.28	47.41	71.01	0
3/25/20 0:00	3.3	137.2	020	7.79	46.83	70.96	0
3/25/20 1:00	3.6	130.9	024	8.15	46.61	72.40	0
3/25/20 2:00	3.8	114.0	024	7.51	46.21	77.64	0
3/25/20 3:00	4.8	136.6	022	10.58	45.72	83.70	0
3/25/20 4:00	5.6	124.8	025	12.60	45.28	87.50	0
3/25/20 5:00	5.7	119.2	019	13.47	44.97	86.50	0
3/25/20 6:00	6.4	115.5	022	14.15	43.71	81.90	0
3/25/20 7:00	6.8	107.3	024	13.28	42.89	83.30	0
3/25/20 8:00	6.5	102.7	022	17.86	42.64	87.40	0
3/25/20 9:00	5.0	81.1	024	13.14	42.59	92.90	0.02

3/25/20 10:00	4.2	45.5	026	10.31	42.79	95.60	0.04
3/25/20 11:00	4.0	20.2	024	9.80	42.88	97.10	0.06
3/25/20 12:00	4.5	24.3	027	11.18	42.96	95.90	0.1
3/25/20 13:00	5.6	32.9	023	13.51	43.76	93.10	0.01
3/25/20 14:00	5.5	44.5	026	12.73	44.82	92.10	0
3/25/20 15:00	5.1	26.5	024	12.78	45.04	92.20	0
3/25/20 16:00	4.6	10.6	022	10.49	44.12	93.10	0.01
3/25/20 17:00	4.3	352.1	023	9.85	43.55	96.00	0.01
3/25/20 18:00	4.1	3.8	024	8.61	43.55	96.10	0
3/25/20 19:00	3.7	6.0	027	9.43	43.81	95.20	0
3/25/20 20:00	2.8	14.2	027	6.28	43.65	93.80	0
3/25/20 21:00	2.3	0.5	024	4.40	43.42	93.90	0
3/25/20 22:00	1.9	5.3	022	4.12	43.38	93.70	0
3/25/20 23:00	1.6	7.9	024	4.08	43.28	93.70	0
3/26/20 0:00	1.3	355.2	021	3.71	43.04	93.60	0
3/26/20 1:00	1.0	336.1	024	2.79	42.94	94.00	0
3/26/20 2:00	1.5	343.0	018	3.02	42.86	94.70	0
3/26/20 3:00	0.4	350.5	031	1.70	42.83	95.10	0
3/26/20 4:00	1.1	326.6	034	2.29	42.52	96.40	0
3/26/20 5:00	1.6	343.2	044	4.31	42.59	95.60	0
3/26/20 6:00	2.1	307.4	012	4.95	42.80	94.10	0
3/26/20 7:00	1.4	300.7	025	4.81	42.75	92.70	0
3/26/20 8:00	1.1	110.2	027	2.93	42.57	93.90	0
3/26/20 9:00	1.8	251.8	044	7.01	45.10	84.60	0
3/26/20 10:00	4.1	223.2	034	9.48	45.89	76.52	0
3/26/20 11:00	3.7	229.5	044	10.12	46.81	73.99	0
3/26/20 12:00	4.3	196.2	034	9.11	48.62	71.39	0
3/26/20 13:00	4.9	183.3	041	12.32	52.47	64.14	0
3/26/20 14:00	5.7	200.4	031	12.05	55.22	59.30	0
3/26/20 15:00	6.9	193.6	030	14.79	56.74	57.06	0
3/26/20 16:00	6.7	201.9	027	17.04	58.00	55.60	0
3/26/20 17:00	6.4	195.9	028	13.83	57.91	55.49	0
3/26/20 18:00	5.9	179.3	031	12.69	57.12	56.63	0
3/26/20 19:00	6.1	195.4	025	14.61	56.26	58.96	0
3/26/20 20:00	4.9	180.7	028	13.05	54.91	62.76	0
3/26/20 21:00	5.7	193.1	023	12.14	54.25	65.42	0
3/26/20 22:00	5.0	191.8	023	11.50	53.60	67.68	0
3/26/20 23:00	3.9	188.6	023	9.11	52.83	69.63	0
3/27/20 0:00	3.2	192.0	026	10.31	52.70	70.68	0
3/27/20 1:00	2.2	186.3	033	6.23	52.35	73.06	0
3/27/20 2:00	1.3	145.7	035	4.44	51.76	75.52	0
3/27/20 3:00	1.2	167.8	039	3.66	51.28	77.93	0

3/27/20 4:00	1.2	190.9	046	3.34	50.99	79.92	0
3/27/20 5:00	0.9	156.7	075	3.57	50.37	82.60	0
3/27/20 6:00	1.4	33.5	035	3.53	49.27	87.80	0
3/27/20 7:00	1.6	1.2	050	4.08	47.78	90.20	0
3/27/20 8:00	3.1	2.2	016	4.95	48.01	89.40	0
3/27/20 9:00	1.7	359.2	038	5.04	51.26	81.60	0
3/27/20 10:00	2.3	317.0	040	7.15	55.97	70.44	0
3/27/20 11:00	2.9	336.1	028	7.24	57.06	67.32	0
3/27/20 12:00	2.9	7.2	037	9.11	58.80	63.76	0
3/27/20 13:00	4.0	338.5	032	9.07	60.52	59.56	0
3/27/20 14:00	3.7	352.2	035	8.11	61.56	58.11	0
3/27/20 15:00	4.0	7.3	027	9.34	61.57	57.46	0
3/27/20 16:00	3.1	20.8	040	8.52	61.55	59.07	0
3/27/20 17:00	2.9	18.5	038	8.84	62.27	59.02	0
3/27/20 18:00	1.9	351.9	085	8.06	64.08	55.38	0
3/27/20 19:00	2.0	107.4	032	6.64	63.55	56.21	0
3/27/20 20:00	1.0	117.0	048	2.61	62.28	58.21	0
3/27/20 21:00	1.3	154.1	020	2.98	61.91	58.79	0
3/27/20 22:00	2.6	144.9	023	9.07	60.58	62.67	0
3/27/20 23:00	1.9	149.6	025	4.63	59.63	65.16	0
3/28/20 0:00	1.7	146.6	030	4.67	59.17	65.76	0
3/28/20 1:00	1.4	94.9	052	3.16	58.55	67.95	0
3/28/20 2:00	1.7	33.7	040	4.63	56.45	79.07	0
3/28/20 3:00	1.7	66.0	075	4.35	54.71	89.00	0.02
3/28/20 4:00	2.3	166.7	027	7.69	53.70	94.20	0.02
3/28/20 5:00	2.6	76.0	061	8.79	53.34	94.70	0.05
3/28/20 6:00	3.3	82.7	059	7.19	52.62	98.20	0.18
3/28/20 7:00	2.3	110.2	046	5.50	52.31	99.00	0.02
3/28/20 8:00	2.5	146.4	045	7.60	52.38	99.40	0.04
3/28/20 9:00	3.9	133.8	042	14.66	52.34	99.20	0.1
3/28/20 10:00	4.1	112.1	021	8.43	52.71	96.70	0
3/28/20 11:00	5.1	130.1	021	12.96	52.87	94.90	0
3/28/20 12:00	3.7	147.0	039	12.23	53.31	94.60	0
3/28/20 13:00	3.2	144.1	027	8.15	53.29	97.20	0
3/28/20 14:00	3.7	129.9	029	8.38	53.71	97.50	0
3/28/20 15:00	5.2	126.8	020	10.58	53.89	97.40	0
3/28/20 16:00	4.9	129.4	023	11.13	54.22	96.40	0
3/28/20 17:00	5.0	115.3	023	10.35	54.19	96.90	0
3/28/20 18:00	4.9	96.5	022	9.80	52.07	98.70	0
3/28/20 19:00	5.1	91.0	024	11.45	50.48	99.50	0
3/28/20 20:00	4.6	91.2	030	10.26	49.28	99.90	0
3/28/20 21:00	3.9	50.0	039	10.03	48.98	100.00	0

3/28/20 22:00	4.1	67.4	023	9.80	49.02	100.00	0
3/28/20 23:00	3.6	92.6	024	7.51	48.87	100.00	0
3/29/20 0:00	1.8	113.8	025	4.86	48.89	100.00	0
3/29/20 1:00	1.2	346.1	088	3.44	48.74	100.00	0
3/29/20 2:00	2.3	10.5	027	5.31	48.61	100.00	0
3/29/20 3:00	3.0	30.2	027	8.02	48.44	100.00	0
3/29/20 4:00	3.0	62.8	024	6.96	48.44	100.00	0
3/29/20 5:00	2.6	98.5	029	6.55	48.32	100.00	0
3/29/20 6:00	2.0	112.9	020	5.22	48.31	100.00	0
3/29/20 7:00	0.8	30.3	045	2.15	48.49	100.00	0
3/29/20 8:00	1.1	118.3	035	3.48	48.63	100.00	0
3/29/20 9:00	2.0	102.9	062	5.91	49.11	100.00	0
3/29/20 10:00	1.6	129.1	034	5.54	49.75	100.00	0
3/29/20 11:00	2.4	163.6	040	6.69	50.43	100.00	0
3/29/20 12:00	2.5	156.8	036	8.29	51.24	100.00	0
3/29/20 13:00	6.8	130.9	024	15.16	51.11	99.90	0
3/29/20 14:00	4.8	185.6	036	13.24	52.29	98.40	0
3/29/20 15:00	3.6	188.2	036	8.11	55.11	92.20	0
3/29/20 16:00	4.0	181.2	040	10.63	59.75	82.60	0
3/29/20 17:00	4.9	166.2	034	10.49	63.35	75.21	0
3/29/20 18:00	4.4	163.5	030	10.99	66.54	70.17	0
3/29/20 19:00	2.6	147.9	037	9.07	67.63	69.07	0
3/29/20 20:00	3.9	72.5	031	9.94	63.39	78.25	0
3/29/20 21:00	4.3	58.6	037	9.34	58.72	87.40	0
3/29/20 22:00	3.0	74.5	030	7.65	55.23	93.10	0
3/29/20 23:00	2.7	28.0	033	6.18	53.15	98.30	0
3/30/20 0:00	1.8	2.1	032	5.40	52.27	100.00	0
3/30/20 1:00	2.1	18.9	029	6.87	51.60	100.00	0
3/30/20 2:00	1.4	2.4	044	5.36	50.76	100.00	0
3/30/20 3:00	1.8	18.1	033	5.31	49.91	100.00	0
3/30/20 4:00	3.2	37.5	029	8.11	49.46	100.00	0.01
3/30/20 5:00	2.7	96.4	028	6.23	49.08	100.00	0
3/30/20 6:00	2.9	106.9	027	6.05	49.77	100.00	0
3/30/20 7:00	2.7	110.4	044	6.96	50.03	100.00	0
3/30/20 8:00	1.3	147.2	048	7.28	50.12	100.00	0
3/30/20 9:00	3.1	174.0	028	8.02	51.50	98.80	0
3/30/20 10:00	5.1	192.9	027	11.04	53.65	89.30	0
3/30/20 11:00	5.3	193.4	031	11.45	57.50	75.36	0
3/30/20 12:00	6.9	198.4	026	14.24	61.49	62.35	0
3/30/20 13:00	8.5	212.4	029	20.79	64.94	44.94	0
3/30/20 14:00	6.8	212.6	033	14.47	67.84	37.83	0
3/30/20 15:00	9.3	269.1	034	22.63	71.30	24.06	0

3/30/20 16:00	12.2	320.1	018	21.66	70.14	24.08	0
3/30/20 17:00	10.1	348.4	027	22.58	67.37	29.62	0
3/30/20 18:00	7.4	6.2	029	18.05	65.10	34.10	0
3/30/20 19:00	6.7	14.9	025	15.48	63.27	36.46	0
3/30/20 20:00	5.5	13.1	027	15.94	60.24	40.32	0
3/30/20 21:00	5.1	9.7	025	13.24	57.75	44.42	0
3/30/20 22:00	4.8	11.7	027	10.67	55.83	45.95	0
3/30/20 23:00	6.2	356.1	022	14.15	54.95	46.26	0
3/31/20 0:00	5.1	355.6	032	12.96	53.41	48.86	0
3/31/20 1:00	6.6	343.1	024	17.17	52.37	50.64	0
3/31/20 2:00	5.5	337.2	017	11.27	51.38	53.66	0
3/31/20 3:00	4.4	333.8	019	9.25	50.49	55.90	0
3/31/20 4:00	5.2	330.8	011	8.93	49.74	58.34	0
3/31/20 5:00	3.5	347.4	019	8.47	49.09	60.54	0
3/31/20 6:00	2.9	346.3	018	5.50	48.26	63.20	0
3/31/20 7:00	2.5	348.6	022	5.63	47.78	65.17	0
3/31/20 8:00	2.4	345.8	019	5.36	47.44	66.30	0
3/31/20 9:00	2.0	349.1	024	4.40	48.06	64.77	0
3/31/20 10:00	3.4	32.1	031	8.06	48.59	62.84	0
3/31/20 11:00	3.9	59.0	034	12.18	49.97	58.87	0
3/31/20 12:00	3.1	82.5	042	9.30	50.61	56.63	0
3/31/20 13:00	3.8	107.3	041	9.21	50.85	55.49	0
3/31/20 14:00	4.2	114.7	038	10.12	52.02	53.79	0
3/31/20 15:00	5.3	86.9	029	11.08	51.87	56.04	0
3/31/20 16:00	6.0	95.9	025	12.87	51.16	63.05	0
3/31/20 17:00	7.4	115.1	022	19.47	48.50	77.03	0
3/31/20 18:00	6.4	113.4	018	16.08	45.52	93.40	0.03
3/31/20 19:00	4.7	123.2	024	13.19	44.25	97.10	0.03
3/31/20 20:00	4.8	114.3	022	11.82	43.45	96.70	0.01
3/31/20 21:00	4.0	96.7	027	9.07	42.81	96.30	0.06
3/31/20 22:00	4.5	99.3	020	10.58	42.36	94.30	0.02
3/31/20 23:00	4.5	107.2	021	11.95	41.89	93.90	0.02