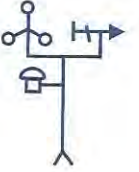




TECHNICAL ENVIRONMENTAL SERVICES, LLC



January 8, 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 December 2019. All the instrumentation functioned normally during December. Data recovery for all the parameters was near 100%. December had a precipitation total of 3.23 inches.

Attached is a wind rose for the month of December 2019 and a table showing the data collection percentage for each parameter in 2019.

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-DECEMBER 2019

PARAMETER	RECOVERY (percent)
Wind Speed 3m	75.7
Wind Direction 3m	75.3
Temperature 2m	65.9
Relative Humidity 2m	65.9
Precipitation	81.5

Run Date: 1/8/2020 9:28:47 AM

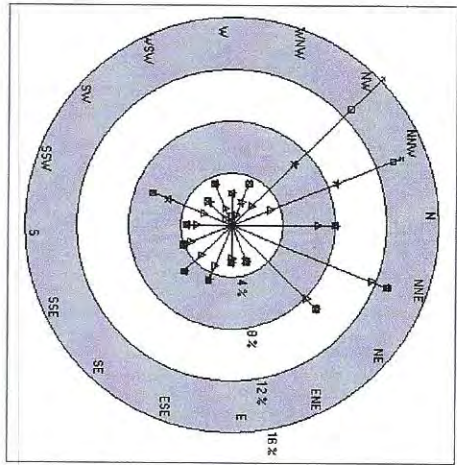
WIND ROSE (WINDS FROM)

N
↓

0.00% PERCENT DIALS
(NOT INCLUDED IN PLOT)
Start Date: 12/1/2019 00:00
End Date: 12/31/2019 23:00

Sensors Selected
3M_WS
3M_WD

- Legend
- ▲ WIND SPEED LESS THAN 5.0MPH
 - ✦ WIND SPEED LESS THAN 7.5MPH
 - ◻ WIND SPEED LESS THAN 12.5MPH
 - * WIND SPEED GREATER THAN 12.5MPH



Date Time	Avg_WS (MPH)	Avg_WD (DEG)	Sigma (DEG)	Max_Wspd (MPH)	Avg_Temp (DEG F)	Min_Temp (DEG F)	Max_Temp (DEG F)	Avg_RelH (%)	Total_Rain (INCH)
12/1/19 0:00	3.6	142.5	019	8.20	40.38	40.2	40.6	39.11	0.00
12/1/19 1:00	2.6	123.0	030	7.60	40.13	40.1	40.2	41.30	0.00
12/1/19 2:00	2.3	137.4	029	7.33	39.95	39.8	40.1	46.70	0.00
12/1/19 3:00	2.8	138.6	019	6.46	39.72	39.6	39.8	48.78	0.00
12/1/19 4:00	3.3	126.9	018	9.76	38.75	37.9	39.6	58.89	0.00
12/1/19 5:00	4.4	118.8	022	9.39	37.53	37.0	38.1	76.44	0.00
12/1/19 6:00	3.4	120.2	021	9.66	36.71	36.4	37.0	88.20	0.00
12/1/19 7:00	3.6	113.3	018	6.78	35.82	35.5	36.5	94.40	0.00
12/1/19 8:00	4.5	125.3	020	9.39	35.65	35.6	35.9	96.90	0.02
12/1/19 9:00	5.0	137.3	024	11.95	36.13	35.8	36.5	97.60	0.00
12/1/19 10:00	5.1	129.1	021	11.91	36.96	36.5	37.5	98.50	0.02
12/1/19 11:00	4.9	120.5	022	14.38	37.78	37.5	38.2	98.60	0.00
12/1/19 12:00	5.4	97.6	025	11.45	38.69	38.2	38.9	98.40	0.10
12/1/19 13:00	7.8	121.4	019	16.30	39.46	38.9	40.1	97.90	0.05
12/1/19 14:00	5.0	119.1	025	12.00	40.32	40.1	40.5	97.40	0.05
12/1/19 15:00	4.6	73.3	024	10.12	40.44	40.1	40.6	98.10	0.07
12/1/19 16:00	2.9	46.5	028	6.37	40.12	40.1	40.2	98.40	0.05
12/1/19 17:00	3.0	38.9	026	6.14	40.66	40.2	41.1	99.00	0.01
12/1/19 18:00	2.8	16.9	034	7.05	41.39	41.1	41.6	99.00	0.00
12/1/19 19:00	3.9	346.3	038	9.11	41.63	41.5	41.8	99.10	0.00
12/1/19 20:00	5.2	340.1	018	10.26	40.30	38.5	41.5	97.50	0.01
12/1/19 21:00	4.4	347.7	018	8.89	37.73	37.1	38.5	96.50	0.00
12/1/19 22:00	5.5	337.5	021	10.58	36.59	36.3	37.1	96.50	0.00
12/1/19 23:00	5.4	342.9	023	11.04	36.16	36.1	36.4	96.60	0.00
12/2/19 0:00	5.0	340.9	016	10.12	36.20	36.1	36.3	95.90	0.00
12/2/19 1:00	3.4	337.1	023	6.87	36.28	36.1	36.4	94.80	0.00
12/2/19 2:00	5.8	334.2	017	11.04	36.17	35.9	36.5	94.00	0.00
12/2/19 3:00	3.2	344.3	024	6.96	36.43	36.4	36.5	94.50	0.00
12/2/19 4:00	3.0	351.0	019	6.00	36.38	36.3	36.5	94.90	0.00
12/2/19 5:00	2.4	343.4	019	6.41	36.45	36.4	36.6	93.60	0.00
12/2/19 6:00	2.6	317.4	012	4.86	36.48	36.2	36.8	94.20	0.00
12/2/19 7:00	3.8	336.9	015	7.37	36.66	36.5	36.8	93.30	0.00
12/2/19 8:00	2.5	346.2	020	6.28	36.35	36.1	36.5	93.70	0.00
12/2/19 9:00	1.9	339.9	012	3.71	36.08	36.0	36.2	94.30	0.00
12/2/19 10:00	2.4	324.9	013	4.95	36.51	36.2	37.0	93.60	0.00
12/2/19 11:00	3.1	327.4	018	9.21	37.54	37.0	38.1	89.60	0.00
12/2/19 12:00	7.0	312.0	014	16.44	38.53	38.1	38.8	83.30	0.00
12/2/19 13:00	9.5	321.6	013	18.73	38.64	38.3	39.0	83.30	0.02
12/2/19 14:00	9.7	317.5	012	18.69	38.67	38.2	39.2	85.70	0.01
12/2/19 15:00	12.6	322.5	013	24.69	39.25	39.1	39.4	83.70	0.00
12/2/19 16:00	10.1	322.2	013	20.61	39.24	38.9	39.7	85.90	0.00

12/2/19 17:00	10.7	325.8	012	19.14	40.13	39.7	40.3	81.90	0.00
12/2/19 18:00	8.8	323.2	012	16.90	40.16	39.7	40.3	80.60	0.00
12/2/19 19:00	8.6	320.7	010	16.35	39.73	39.5	40.0	83.20	0.00
12/2/19 20:00	7.3	329.3	017	12.82	39.95	39.2	40.3	81.80	0.00
12/2/19 21:00	4.7	340.0	013	10.72	38.73	38.6	39.2	88.40	0.00
12/2/19 22:00	8.0	333.3	012	14.84	39.02	38.6	39.2	80.70	0.00
12/2/19 23:00	9.1	332.9	012	16.99	38.72	38.5	39.0	76.53	0.00
12/3/19 0:00	10.1	334.4	014	19.69	38.43	38.2	38.7	75.36	0.00
12/3/19 1:00	10.4	334.5	013	18.14	37.57	37.3	38.2	72.72	0.00
12/3/19 2:00	9.4	336.7	016	19.65	36.89	36.6	37.4	71.80	0.00
12/3/19 3:00	10.0	334.9	015	24.18	37.05	36.8	37.3	71.03	0.00
12/3/19 4:00	9.7	325.3	011	15.85	36.91	36.5	37.2	72.46	0.00
12/3/19 5:00	9.6	324.8	011	18.14	36.57	36.4	36.9	73.53	0.00
12/3/19 6:00	10.9	325.8	011	18.78	36.59	36.4	36.9	72.24	0.00
12/3/19 7:00	12.4	324.7	010	22.72	36.68	36.2	37.0	71.59	0.00
12/3/19 8:00	14.1	321.8	012	24.78	37.08	36.8	37.3	72.41	0.00
12/3/19 9:00	12.5	324.9	011	24.73	36.84	36.7	37.1	70.59	0.00
12/3/19 10:00	13.0	325.0	013	22.40	37.96	37.1	38.9	66.23	0.00
12/3/19 11:00	15.5	324.4	014	28.58	39.51	38.9	40.2	61.26	0.00
12/3/19 12:00	15.9	324.1	012	24.82	40.63	39.8	41.2	57.62	0.00
12/3/19 13:00	14.1	323.2	013	24.73	41.77	40.8	43.4	56.34	0.00
12/3/19 14:00	15.3	323.0	012	24.41	43.19	42.3	43.9	53.28	0.00
12/3/19 15:00	15.9	328.5	012	25.05	43.89	43.3	44.3	52.04	0.00
12/3/19 16:00	12.7	324.6	015	22.35	43.61	42.8	44.3	52.20	0.00
12/3/19 17:00	11.6	320.6	012	21.53	42.64	41.7	43.1	53.71	0.00
12/3/19 18:00	6.5	336.9	018	17.82	40.36	39.3	41.7	58.12	0.00
12/3/19 19:00	4.4	345.1	045	12.00	38.66	37.6	39.4	62.25	0.00
12/3/19 20:00	2.9	319.4	041	8.66	37.48	36.3	38.4	65.35	0.00
12/3/19 21:00	2.6	301.0	022	7.05	36.49	36.0	37.2	68.23	0.00
12/3/19 22:00	2.6	282.9	026	6.50	35.94	35.6	36.4	69.34	0.00
12/3/19 23:00	5.9	320.1	017	12.27	36.29	35.7	36.7	68.84	0.00
12/4/19 0:00	6.0	321.9	012	11.95	36.65	36.4	36.9	68.98	0.00
12/4/19 1:00	6.0	322.8	012	11.95	37.32	36.8	37.7	68.45	0.00
12/4/19 2:00	4.7	331.9	015	10.99	37.49	37.1	38.0	68.43	0.00
12/4/19 3:00	7.2	310.1	013	13.92	36.40	34.3	38.0	79.32	0.00
12/4/19 4:00	2.9	303.7	013	8.29	33.57	33.1	34.3	95.70	0.01
12/4/19 5:00	1.7	249.6	022	4.44	33.24	33.1	33.5	97.70	0.00
12/4/19 6:00	1.3	306.2	040	4.58	33.60	33.4	33.9	97.60	0.01
12/4/19 7:00	1.2	39.9	059	3.39	33.76	32.9	34.2	96.30	0.00
12/4/19 8:00	0.9	184.3	068	2.43	32.63	31.8	33.2	97.10	0.00
12/4/19 9:00	1.7	241.9	027	4.03	33.16	32.1	34.0	97.20	0.00
12/4/19 10:00	2.3	235.8	025	5.77	34.45	34.0	35.0	93.40	0.00

12/4/19 11:00	3.5	233.9	025	7.15	35.56	34.9	36.5	85.80	0.00
12/4/19 12:00	4.0	223.8	026	11.77	37.74	36.5	38.8	78.80	0.00
12/4/19 13:00	4.9	224.6	024	11.04	39.86	38.7	40.8	69.89	0.00
12/4/19 14:00	4.3	244.2	029	9.57	41.99	40.8	43.9	60.62	0.00
12/4/19 15:00	4.6	236.6	030	10.31	43.78	42.9	44.4	56.07	0.00
12/4/19 16:00	4.4	211.8	026	10.63	45.85	44.3	47.5	51.61	0.00
12/4/19 17:00	4.8	242.3	027	15.11	45.65	44.9	46.0	53.94	0.00
12/4/19 18:00	4.2	299.3	028	9.21	44.71	44.4	45.1	60.96	0.00
12/4/19 19:00	7.8	313.4	011	15.48	44.44	44.1	44.8	56.54	0.00
12/4/19 20:00	11.2	308.5	014	26.01	43.91	42.8	44.8	51.85	0.00
12/4/19 21:00	8.3	316.1	010	17.08	42.49	42.1	43.0	53.22	0.00
12/4/19 22:00	3.9	321.1	011	7.79	41.15	40.1	42.1	56.70	0.00
12/4/19 23:00	1.9	302.4	024	4.12	40.18	39.5	40.8	61.90	0.00
12/5/19 0:00	5.3	305.3	015	12.96	41.16	40.5	41.7	62.21	0.00
12/5/19 1:00	5.5	289.4	017	10.81	40.61	39.2	41.6	64.98	0.00
12/5/19 2:00	4.9	285.0	016	10.26	39.37	39.1	39.7	73.89	0.00
12/5/19 3:00	5.4	275.7	016	11.27	38.65	38.3	39.2	77.77	0.00
12/5/19 4:00	4.9	297.8	016	10.26	37.99	37.5	38.7	77.52	0.00
12/5/19 5:00	6.3	311.3	015	14.61	39.10	38.6	39.7	64.28	0.00
12/5/19 6:00	12.0	312.2	014	22.81	39.49	39.1	39.8	56.80	0.00
12/5/19 7:00	13.9	315.2	011	22.44	38.85	38.5	39.1	56.49	0.00
12/5/19 8:00	13.1	313.6	011	24.14	37.96	37.3	38.8	57.62	0.00
12/5/19 9:00	11.5	312.0	011	21.11	37.82	37.3	38.2	56.83	0.00
12/5/19 10:00	11.1	315.0	013	19.47	38.74	37.8	39.7	56.16	0.00
12/5/19 11:00	12.9	324.7	016	26.70	40.59	39.7	41.5	50.26	0.00
12/5/19 12:00	16.2	320.7	014	25.97	41.17	40.3	42.2	48.88	0.00
12/5/19 13:00	15.5	317.1	013	25.69	42.22	41.5	42.9	45.27	0.00
12/5/19 14:00	13.1	324.3	017	24.05	42.83	42.1	43.8	42.60	0.00
12/5/19 15:00	13.5	319.4	014	23.50	43.66	43.0	44.8	41.14	0.00
12/5/19 16:00	10.2	317.4	016	18.09	44.47	43.9	45.1	39.66	0.00
12/5/19 17:00	10.6	317.8	016	21.48	44.27	43.6	44.9	39.22	0.00
12/5/19 18:00	9.9	313.6	011	20.79	42.70	41.6	43.6	40.51	0.00
12/5/19 19:00	5.7	305.7	029	17.82	41.45	40.7	42.1	43.18	0.00
12/5/19 20:00	2.7	311.5	020	6.60	39.26	37.4	40.8	47.76	0.00
12/5/19 21:00	2.0	321.9	023	3.62	37.96	37.1	38.7	51.10	0.00
12/5/19 22:00	0.9	31.2	025	2.93	35.85	33.1	37.7	57.45	0.00
12/5/19 23:00	1.6	16.9	066	3.30	33.08	31.8	34.1	65.72	0.00
12/6/19 0:00	0.9	31.8	030	2.61	32.03	30.5	33.6	70.02	0.00
12/6/19 1:00	0.3	45.7	026	2.11	31.07	30.6	31.4	78.10	0.00
12/6/19 2:00	0.4	30.1	027	2.70	32.29	31.4	33.6	71.81	0.00
12/6/19 3:00	0.4	33.2	035	2.11	33.03	32.3	34.5	73.45	0.00
12/6/19 4:00	0.8	210.9	024	2.75	33.80	32.2	35.4	70.10	0.00

12/6/19 5:00	0.5	181.3	025	2.29	34.25	33.0	35.2	67.98	0.00
12/6/19 6:00	0.2	158.5	008	1.74	32.47	31.5	33.9	73.43	0.00
12/6/19 7:00	1.9	160.8	016	5.45	34.64	33.9	35.3	66.35	0.00
12/6/19 8:00	1.9	157.2	019	3.76	35.09	34.9	35.4	66.19	0.00
12/6/19 9:00	1.7	163.5	018	5.45	35.41	34.5	37.1	68.63	0.00
12/6/19 10:00	4.7	197.4	021	10.08	38.72	37.1	40.2	65.09	0.00
12/6/19 11:00	5.6	202.6	020	11.50	41.80	40.2	43.8	56.86	0.00
12/6/19 12:00	6.1	200.2	022	12.78	47.49	43.8	50.5	43.31	0.00
12/6/19 13:00	7.9	211.6	019	15.16	50.69	49.9	51.2	35.45	0.00
12/6/19 14:00	7.1	210.7	022	14.89	51.12	50.5	51.6	34.79	0.00
12/6/19 15:00	6.7	217.4	021	14.79	51.91	51.3	52.3	34.72	0.00
12/6/19 16:00	5.4	220.9	025	12.18	52.55	52.1	52.9	34.88	0.00
12/6/19 17:00	5.0	235.2	026	11.72	51.54	50.0	52.6	38.88	0.00
12/6/19 18:00	4.7	238.5	025	12.32	50.08	49.9	50.4	45.65	0.00
12/6/19 19:00	3.9	257.7	020	7.74	49.37	48.8	50.0	44.88	0.00
12/6/19 20:00	4.1	297.1	018	8.34	48.28	47.9	48.8	48.61	0.00
12/6/19 21:00	8.2	313.7	014	14.34	49.76	48.1	50.6	58.42	0.00
12/6/19 22:00	7.8	317.2	010	16.90	49.37	48.7	50.1	64.66	0.00
12/6/19 23:00	5.2	316.9	018	15.11	48.88	48.7	49.1	66.01	0.00
12/7/19 0:00	9.4	341.9	016	18.59	45.98	44.7	48.8	62.96	0.00
12/7/19 1:00	6.5	352.6	021	16.95	43.89	43.1	44.7	58.95	0.00
12/7/19 2:00	7.3	351.3	020	15.53	41.89	40.2	43.1	53.71	0.00
12/7/19 3:00	5.9	344.9	020	16.40	38.89	37.5	40.2	51.16	0.00
12/7/19 4:00	4.3	341.4	017	11.50	36.71	36.0	37.7	52.82	0.00
12/7/19 5:00	5.2	336.9	014	9.80	35.22	34.5	36.0	55.33	0.00
12/7/19 6:00	6.2	342.5	016	13.79	34.41	34.1	35.0	54.22	0.00
12/7/19 7:00	4.0	353.4	023	9.66	33.80	33.5	34.1	51.95	0.00
12/7/19 8:00	1.2	347.8	026	5.63	32.70	31.0	33.8	53.77	0.00
12/7/19 9:00	1.8	324.0	010	3.25	31.34	30.9	32.7	58.21	0.00
12/7/19 10:00	3.1	333.4	014	7.79	34.54	32.7	35.9	54.46	0.00
12/7/19 11:00	4.9	342.8	025	10.44	36.76	35.7	37.9	51.32	0.00
12/7/19 12:00	5.2	336.5	031	10.81	38.15	37.3	38.7	48.58	0.00
12/7/19 13:00	6.3	344.8	030	13.69	39.16	38.5	40.0	47.60	0.00
12/7/19 14:00	4.5	347.0	041	11.40	39.33	38.6	40.6	46.43	0.00
12/7/19 15:00	5.8	306.2	024	12.05	40.13	39.3	40.8	45.76	0.00
12/7/19 16:00	5.5	313.3	026	11.59	40.86	40.3	41.5	44.20	0.00
12/7/19 17:00	4.5	320.2	019	9.07	40.25	39.7	41.0	44.74	0.00
12/7/19 18:00	4.0	339.9	013	7.65	39.07	37.9	40.1	47.61	0.00
12/7/19 19:00	2.4	354.0	009	4.53	37.42	37.0	37.9	47.48	0.00
12/7/19 20:00	1.5	15.5	008	3.44	35.97	33.6	37.0	47.79	0.00
12/7/19 21:00	2.7	28.1	007	3.66	33.21	32.1	35.2	55.74	0.00
12/7/19 22:00	0.8	29.3	042	2.52	29.06	28.0	32.1	72.89	0.00

12/7/19 23:00	0.8	25.6	021	2.43	27.95	27.7	28.4	79.12	0.00
12/8/19 0:00	1.6	38.3	011	3.57	27.78	26.8	28.7	78.34	0.00
12/8/19 1:00	1.7	30.5	018	3.76	26.40	25.4	28.1	81.50	0.00
12/8/19 2:00	1.0	22.7	024	3.21	24.95	24.2	26.2	86.80	0.00
12/8/19 3:00	1.3	6.3	034	3.39	23.87	23.0	24.6	89.20	0.00
12/8/19 4:00	0.9	32.5	018	2.20	23.83	23.2	24.5	89.40	0.00
12/8/19 5:00	1.4	25.6	024	3.25	23.56	23.2	24.2	89.70	0.00
12/8/19 6:00	0.9	17.3	041	2.61	24.05	22.7	25.2	84.70	0.00
12/8/19 7:00	0.9	30.0	022	2.84	23.67	22.6	25.4	87.20	0.00
12/8/19 8:00	1.0	32.7	024	2.70	23.26	21.8	25.4	89.50	0.00
12/8/19 9:00	0.9	31.8	023	2.57	22.94	21.6	24.7	91.40	0.00
12/8/19 10:00	0.7	43.5	010	2.52	27.00	24.7	30.9	86.70	0.00
12/8/19 11:00	0.8	180.8	028	2.89	33.63	31.0	37.2	74.52	0.00
12/8/19 12:00	2.8	165.6	036	9.16	38.49	36.9	40.8	59.78	0.00
12/8/19 13:00	5.8	189.6	031	12.73	41.02	40.0	42.2	52.35	0.00
12/8/19 14:00	7.0	194.4	029	16.81	42.15	40.9	42.9	52.76	0.00
12/8/19 15:00	8.1	192.0	026	16.99	43.16	42.4	43.9	54.08	0.00
12/8/19 16:00	7.1	200.9	024	15.16	44.59	43.8	45.4	50.35	0.00
12/8/19 17:00	6.1	193.1	023	14.66	44.15	43.4	45.1	51.76	0.00
12/8/19 18:00	3.4	190.2	024	9.57	42.78	42.0	43.5	57.90	0.00
12/8/19 19:00	1.9	171.5	022	4.21	41.98	41.6	42.2	61.26	0.00
12/8/19 20:00	2.4	159.7	020	7.60	42.00	41.6	42.3	62.48	0.00
12/8/19 21:00	1.3	155.9	021	5.18	42.69	42.3	43.0	62.36	0.00
12/8/19 22:00	2.0	161.1	019	4.72	42.59	42.1	42.9	66.52	0.00
12/8/19 23:00	2.6	161.8	019	7.10	42.45	42.2	42.7	70.99	0.00
12/9/19 0:00	2.4	180.3	020	7.28	42.58	42.2	42.9	74.87	0.00
12/9/19 1:00	2.2	167.4	023	6.96	42.85	42.7	43.0	78.09	0.00
12/9/19 2:00	1.8	152.1	021	4.53	42.95	42.8	43.1	81.40	0.00
12/9/19 3:00	2.2	146.7	018	7.01	42.92	42.9	43.0	85.30	0.00
12/9/19 4:00	1.7	127.6	037	6.37	42.65	42.5	42.9	89.70	0.00
12/9/19 5:00	1.9	145.3	037	5.22	42.43	42.3	42.7	92.70	0.00
12/9/19 6:00	0.9	263.5	030	3.16	42.84	42.7	43.0	93.50	0.00
12/9/19 7:00	0.7	184.5	070	2.34	42.65	42.3	43.0	94.70	0.00
12/9/19 8:00	1.0	48.1	067	2.79	42.09	41.7	42.4	98.50	0.00
12/9/19 9:00	0.8	116.0	058	2.52	42.15	41.7	42.6	99.90	0.00
12/9/19 10:00	2.3	191.8	031	7.37	43.35	42.6	43.9	99.90	0.00
12/9/19 11:00	4.6	210.3	020	9.62	44.39	43.9	44.8	98.30	0.00
12/9/19 12:00	4.3	207.0	020	10.08	44.15	43.9	44.7	95.60	0.07
12/9/19 13:00	5.5	202.1	019	12.87	44.10	44.0	44.2	96.50	0.05
12/9/19 14:00	4.9	190.2	023	10.81	44.08	43.9	44.2	97.90	0.18
12/9/19 15:00	4.8	194.4	023	12.87	44.14	44.1	44.3	98.60	0.17
12/9/19 16:00	4.0	177.0	023	10.58	44.41	44.2	44.6	99.30	0.08

12/9/19 17:00	5.4	178.6	025	12.60	44.72	44.5	45.1	99.20	0.06
12/9/19 18:00	7.9	193.3	023	18.27	45.45	45.1	45.9	96.80	0.00
12/9/19 19:00	7.7	198.3	024	17.82	46.37	45.8	47.3	96.10	0.00
12/9/19 20:00	9.3	206.5	020	19.37	47.70	47.2	48.6	94.80	0.00
12/9/19 21:00	9.8	212.0	021	20.98	49.03	48.5	49.6	94.40	0.02
12/9/19 22:00	10.3	211.2	019	19.47	49.81	49.5	50.4	95.00	0.02
12/9/19 23:00	9.5	212.6	021	21.71	51.06	50.4	51.5	94.50	0.03
12/10/19 0:00	8.2	215.8	020	17.17	51.77	51.5	52.1	93.30	0.00
12/10/19 1:00	8.7	209.6	019	16.30	52.08	52.0	52.3	91.20	0.00
12/10/19 2:00	8.5	210.6	018	19.01	52.18	52.0	52.4	90.30	0.00
12/10/19 3:00	7.4	207.8	017	13.65	52.29	52.1	52.5	90.30	0.00
12/10/19 4:00	7.3	206.4	017	15.85	52.55	52.4	52.7	89.70	0.00
12/10/19 5:00	6.6	207.6	019	13.33	52.59	52.4	52.7	89.70	0.00
12/10/19 6:00	6.6	211.2	019	14.34	52.73	52.6	52.9	88.90	0.00
12/10/19 7:00	7.0	205.7	017	13.01	52.64	52.5	52.8	88.80	0.00
12/10/19 8:00	6.1	211.2	020	12.82	52.88	52.7	53.1	88.30	0.00
12/10/19 9:00	5.7	212.5	021	13.19	53.51	53.1	54.0	89.10	0.00
12/10/19 10:00	5.6	215.6	022	12.18	54.58	53.9	55.3	89.80	0.00
12/10/19 11:00	6.0	211.9	020	16.53	55.59	55.2	56.0	89.30	0.00
12/10/19 12:00	4.1	220.6	022	10.49	55.42	55.3	55.8	93.80	0.04
12/10/19 13:00	4.0	252.8	028	8.93	55.35	55.3	55.5	96.90	0.03
12/10/19 14:00	5.0	272.5	028	11.18	54.97	54.6	55.4	96.10	0.00
12/10/19 15:00	3.4	251.2	025	10.40	54.48	54.2	54.7	96.90	0.02
12/10/19 16:00	3.4	259.4	018	7.28	54.46	54.4	54.5	95.20	0.00
12/10/19 17:00	5.7	304.5	020	13.79	54.05	53.4	54.4	92.50	0.00
12/10/19 18:00	5.6	315.1	011	10.03	52.81	52.3	53.4	88.00	0.00
12/10/19 19:00	6.2	331.6	014	11.82	50.94	49.9	52.3	88.70	0.03
12/10/19 20:00	9.8	332.0	015	23.22	48.60	47.0	49.9	79.09	0.01
12/10/19 21:00	10.5	332.8	015	24.50	44.70	43.6	47.1	82.00	0.03
12/10/19 22:00	9.1	332.6	016	19.74	42.96	42.2	43.6	84.70	0.01
12/10/19 23:00	11.0	335.4	017	21.85	40.60	38.7	42.2	87.30	0.02
12/11/19 0:00	9.3	340.3	017	21.11	37.92	37.4	38.7	89.10	0.01
12/11/19 1:00	8.1	336.9	015	15.34	35.68	34.9	37.5	90.70	0.06
12/11/19 2:00	7.5	333.3	014	14.56	33.70	33.1	35.1	93.90	0.03
12/11/19 3:00	4.9	320.6	016	17.59	33.13	32.9	34.0	92.60	0.01
12/11/19 4:00	10.1	335.6	015	22.08	32.00	30.3	34.1	86.20	0.00
12/11/19 5:00	7.7	329.0	014	15.57	30.40	30.2	30.7	90.70	0.00
12/11/19 6:00	6.8	316.9	011	12.82	30.98	30.7	31.2	85.30	0.00
12/11/19 7:00	7.2	310.2	011	13.65	31.12	30.8	31.5	82.30	0.00
12/11/19 8:00	6.6	320.5	014	12.60	31.62	31.4	32.0	78.01	0.00
12/11/19 9:00	7.2	325.8	011	12.82	31.81	31.3	32.1	67.26	0.00
12/11/19 10:00	7.7	320.0	013	16.17	31.92	31.2	32.3	63.64	0.00

12/11/19 11:00	10.0	318.1	013	20.11	32.68	32.3	33.3	59.78	0.00
12/11/19 12:00	10.3	318.5	013	17.63	33.35	33.0	34.1	54.28	0.01
12/11/19 13:00	9.6	309.1	018	17.22	34.08	33.5	34.7	51.02	0.00
12/11/19 14:00	10.2	306.3	018	18.23	34.86	34.1	35.7	47.91	0.00
12/11/19 15:00	9.2	299.5	023	18.23	35.50	34.7	36.4	43.81	0.00
12/11/19 16:00	9.0	303.2	020	15.80	36.56	35.9	37.2	42.03	0.00
12/11/19 17:00	7.5	292.9	019	16.81	37.38	36.9	37.8	41.54	0.00
12/11/19 18:00	4.1	301.5	015	9.53	36.46	35.3	37.3	43.62	0.00
12/11/19 19:00	4.5	321.9	012	8.56	35.34	34.8	35.8	40.93	0.00
12/11/19 20:00	4.8	329.1	010	10.26	34.44	34.1	34.9	40.51	0.00
12/11/19 21:00	8.5	319.6	013	17.86	34.02	33.4	34.5	42.82	0.00
12/11/19 22:00	6.0	332.2	012	11.54	32.67	31.9	33.6	46.36	0.00
12/11/19 23:00	6.1	325.1	013	13.24	31.86	31.4	32.3	49.03	0.00
12/12/19 0:00	5.1	314.0	030	13.42	31.22	30.7	31.6	51.02	0.00
12/12/19 1:00	3.7	312.4	024	7.97	30.35	29.3	31.2	54.03	0.00
12/12/19 2:00	2.6	319.0	072	10.49	29.66	29.1	30.6	56.75	0.00
12/12/19 3:00	3.0	319.5	030	6.69	29.13	28.2	29.9	58.21	0.00
12/12/19 4:00	2.3	349.7	036	6.37	28.75	27.9	29.6	58.64	0.00
12/12/19 5:00	2.7	348.7	019	8.15	27.88	26.8	28.7	61.55	0.00
12/12/19 6:00	2.6	9.5	034	6.28	27.63	27.3	28.2	63.10	0.00
12/12/19 7:00	2.2	26.0	034	5.63	26.75	26.0	27.4	65.78	0.00
12/12/19 8:00	1.6	45.6	049	4.12	25.80	25.1	26.5	65.72	0.00
12/12/19 9:00	1.6	44.4	054	4.31	25.24	24.8	26.2	67.11	0.00
12/12/19 10:00	2.1	65.8	041	8.84	27.29	26.0	28.3	57.22	0.00
12/12/19 11:00	3.3	87.1	031	7.51	29.54	28.3	30.9	49.56	0.00
12/12/19 12:00	3.2	101.8	059	7.42	31.50	30.5	33.6	45.01	0.00
12/12/19 13:00	2.5	113.6	059	6.87	34.03	32.4	35.7	42.58	0.00
12/12/19 14:00	2.8	210.2	072	7.37	35.83	34.6	37.0	39.77	0.00
12/12/19 15:00	3.4	167.3	057	8.56	36.82	36.3	37.7	36.97	0.00
12/12/19 16:00	3.5	160.4	037	8.89	37.13	36.5	38.2	36.11	0.00
12/12/19 17:00	3.5	153.5	033	10.26	37.11	36.4	37.9	35.42	0.00
12/12/19 18:00	2.4	147.5	024	7.51	35.49	34.7	36.4	39.58	0.00
12/12/19 19:00	3.4	128.5	015	8.75	33.78	32.8	34.8	46.42	0.00
12/12/19 20:00	3.5	133.1	015	7.10	32.05	31.3	32.9	48.87	0.00
12/12/19 21:00	3.4	128.2	013	6.32	30.62	30.2	31.3	49.76	0.00
12/12/19 22:00	2.8	120.7	012	5.22	30.09	29.9	30.3	53.67	0.00
12/12/19 23:00	2.7	114.0	018	5.36	29.85	29.7	30.1	56.37	0.00
12/13/19 0:00	1.6	90.6	056	4.12	29.58	29.1	30.3	60.13	0.00
12/13/19 1:00	1.6	136.4	016	4.76	30.59	30.2	31.0	60.99	0.00
12/13/19 2:00	2.1	92.8	032	3.76	30.58	30.0	31.0	65.63	0.00
12/13/19 3:00	1.8	10.5	018	3.57	29.45	28.8	30.0	74.12	0.00
12/13/19 4:00	1.6	23.8	014	3.57	29.35	28.5	29.9	77.93	0.00

12/13/19 5:00	2.0	22.5	024	4.72	29.89	29.4	30.4	78.64	0.00
12/13/19 6:00	2.1	31.7	031	4.90	30.64	30.4	31.0	80.60	0.00
12/13/19 7:00	2.3	32.2	041	5.27	31.05	30.9	31.3	81.20	0.00
12/13/19 8:00	1.8	351.8	029	3.85	31.59	31.3	32.0	80.60	0.00
12/13/19 9:00	1.9	0.0	034	4.40	32.23	31.9	32.4	80.80	0.00
12/13/19 10:00	1.7	50.2	024	5.77	32.34	32.2	32.5	83.60	0.02
12/13/19 11:00	1.7	2.3	020	4.26	32.28	32.2	32.5	92.40	0.04
12/13/19 12:00	1.8	9.2	023	4.35	32.95	32.5	33.4	96.20	0.05
12/13/19 13:00	2.4	28.4	018	5.04	33.47	33.3	33.9	97.20	0.05
12/13/19 14:00	2.0	24.9	023	4.44	34.42	33.9	35.0	98.00	0.02
12/13/19 15:00	2.6	4.6	023	6.37	35.45	35.0	36.0	98.70	0.01
12/13/19 16:00	2.5	37.5	030	6.37	36.21	35.9	36.6	99.30	0.01
12/13/19 17:00	1.5	24.1	023	3.99	36.91	36.6	37.2	99.60	0.00
12/13/19 18:00	1.5	28.1	026	5.59	37.15	37.1	37.3	99.90	0.00
12/13/19 19:00	2.2	8.4	022	4.99	37.13	37.1	37.3	99.90	0.00
12/13/19 20:00	2.6	0.2	027	7.15	37.57	37.3	38.0	99.90	0.00
12/13/19 21:00	2.6	13.7	025	6.28	38.26	37.9	38.7	99.90	0.00
12/13/19 22:00	2.6	355.5	023	7.15	39.61	38.7	40.6	99.90	0.00
12/13/19 23:00	3.7	346.6	019	8.29	39.98	39.6	40.6	99.90	0.02
12/14/19 0:00	3.3	343.8	019	6.28	39.75	39.4	40.2	99.90	0.07
12/14/19 1:00	3.4	347.7	021	6.46	39.57	39.4	39.7	99.90	0.04
12/14/19 2:00	3.5	345.3	019	7.97	39.67	39.4	40.7	99.90	0.02
12/14/19 3:00	3.4	28.0	030	8.47	42.22	40.7	43.5	99.90	0.00
12/14/19 4:00	2.3	37.1	028	6.96	43.77	43.5	44.2	99.90	0.00
12/14/19 5:00	2.0	305.3	045	6.18	43.83	42.2	44.8	99.90	0.00
12/14/19 6:00	4.9	317.8	009	8.02	40.77	40.2	42.2	99.90	0.00
12/14/19 7:00	3.3	339.4	019	6.73	40.41	40.2	40.7	99.90	0.01
12/14/19 8:00	2.5	340.5	034	5.18	40.76	40.6	41.0	99.90	0.00
12/14/19 9:00	2.4	315.2	016	4.86	41.32	41.0	41.5	99.90	0.00
12/14/19 10:00	1.7	2.7	027	4.58	41.43	41.1	41.9	99.90	0.00
12/14/19 11:00	3.0	339.1	035	6.14	42.38	41.9	42.8	99.90	0.02
12/14/19 12:00	4.0	295.3	038	9.71	42.37	41.4	43.1	99.90	0.05
12/14/19 13:00	6.8	307.0	033	17.82	40.46	40.0	41.4	99.70	0.05
12/14/19 14:00	4.9	308.0	043	12.05	41.67	40.5	42.2	99.50	0.04
12/14/19 15:00	6.2	304.6	015	12.69	42.43	41.9	43.5	98.60	0.00
12/14/19 16:00	4.3	277.2	031	9.16	44.39	43.4	45.1	98.40	0.01
12/14/19 17:00	5.2	261.8	021	10.53	44.95	44.8	45.1	99.00	0.00
12/14/19 18:00	6.2	281.1	019	14.11	45.48	45.0	46.2	98.50	0.00
12/14/19 19:00	14.0	299.3	014	28.40	46.27	45.6	46.8	73.00	0.00
12/14/19 20:00	13.1	304.9	014	23.95	44.87	44.4	45.6	66.79	0.00
12/14/19 21:00	12.1	305.5	012	23.22	44.14	43.7	44.7	64.72	0.00
12/14/19 22:00	10.6	301.9	013	19.92	43.36	42.9	43.9	66.54	0.00

12/14/19 23:00	10.1	303.1	013	16.72	42.92	42.7	43.2	66.11	0.00
12/15/19 0:00	7.9	303.3	012	18.14	42.12	41.4	42.9	67.84	0.00
12/15/19 1:00	9.2	298.5	011	16.40	41.26	40.8	41.7	70.08	0.00
12/15/19 2:00	8.1	292.7	015	14.98	41.58	40.9	42.0	69.85	0.00
12/15/19 3:00	4.6	261.2	020	9.80	42.23	41.8	42.5	68.38	0.00
12/15/19 4:00	5.2	266.2	019	10.53	42.92	42.4	43.2	67.32	0.00
12/15/19 5:00	3.8	256.9	021	8.70	43.00	42.6	43.3	67.65	0.00
12/15/19 6:00	3.8	246.4	023	8.29	43.18	42.8	43.5	66.57	0.00
12/15/19 7:00	3.0	242.2	020	5.91	42.89	42.8	43.0	67.13	0.00
12/15/19 8:00	3.8	253.3	027	9.94	42.20	40.8	42.9	67.90	0.00
12/15/19 9:00	2.9	226.8	038	9.39	41.88	40.9	43.7	68.05	0.00
12/15/19 10:00	3.4	231.6	032	8.66	42.08	41.1	43.8	69.53	0.00
12/15/19 11:00	4.5	235.5	035	13.56	45.71	43.7	48.0	61.90	0.00
12/15/19 12:00	12.5	306.5	016	24.69	48.70	47.9	49.5	52.08	0.00
12/15/19 13:00	14.3	306.2	014	26.01	49.21	48.2	50.0	50.27	0.00
12/15/19 14:00	11.3	301.0	019	21.34	49.70	49.0	50.9	49.29	0.00
12/15/19 15:00	11.1	308.5	018	22.12	50.15	49.1	51.5	46.88	0.00
12/15/19 16:00	11.8	317.4	013	20.75	48.81	48.1	49.4	45.32	0.00
12/15/19 17:00	13.5	324.1	012	22.81	46.50	45.3	48.1	45.94	0.00
12/15/19 18:00	9.2	334.6	025	21.89	43.77	41.5	45.3	47.63	0.00
12/15/19 19:00	6.5	344.3	016	13.37	40.38	39.1	41.5	53.14	0.00
12/15/19 20:00	8.2	335.9	013	14.06	38.39	37.4	39.2	53.52	0.00
12/15/19 21:00	5.9	350.2	019	13.97	36.97	36.2	37.6	54.31	0.00
12/15/19 22:00	5.4	346.7	021	13.28	35.81	35.3	36.2	55.58	0.00
12/15/19 23:00	6.8	343.4	017	13.24	35.73	35.3	36.1	54.75	0.00
12/16/19 0:00	4.8	354.7	023	12.73	36.03	36.0	36.1	53.68	0.00
12/16/19 1:00	2.9	5.6	024	6.37	35.95	35.8	36.1	54.71	0.00
12/16/19 2:00	2.4	348.2	025	6.46	35.80	35.7	35.9	55.84	0.00
12/16/19 3:00	4.3	12.9	021	8.43	35.05	33.4	35.9	64.36	0.00
12/16/19 4:00	4.1	30.3	023	8.61	32.74	31.9	33.5	84.90	0.00
12/16/19 5:00	2.7	79.5	027	7.10	31.51	31.4	31.9	92.60	0.00
12/16/19 6:00	1.3	148.6	066	4.40	31.48	31.4	31.6	93.80	0.00
12/16/19 7:00	1.3	153.8	043	4.76	31.40	31.2	31.7	96.80	0.00
12/16/19 8:00	0.4	126.9	022	2.06	31.36	31.2	31.6	98.80	0.00
12/16/19 9:00	1.5	164.8	029	4.49	31.70	31.6	31.9	98.80	0.00
12/16/19 10:00	1.4	124.9	016	3.39	31.95	31.8	32.2	98.30	0.00
12/16/19 11:00	1.9	122.9	019	4.35	32.17	32.1	32.3	98.10	0.00
12/16/19 12:00	2.0	106.9	029	4.44	32.32	32.2	32.4	97.70	0.00
12/16/19 13:00	2.3	75.4	022	5.40	32.45	32.3	32.6	97.50	0.00
12/16/19 14:00	2.1	68.2	022	4.99	32.66	32.6	32.8	97.30	0.00
12/16/19 15:00	3.0	70.1	027	7.60	32.73	32.7	32.8	97.30	0.00
12/16/19 16:00	3.3	62.5	025	7.19	32.81	32.7	32.9	97.50	0.03

12/16/19 17:00	3.1	68.3	024	7.01	32.88	32.8	33.0	97.40	0.09
12/16/19 18:00	2.7	67.0	018	5.59	32.75	32.6	32.9	97.20	0.08
12/16/19 19:00	2.0	68.8	029	5.95	32.78	32.7	32.9	97.30	0.05
12/16/19 20:00	3.6	88.1	021	7.65	32.65	32.6	32.7	97.20	0.03
12/16/19 21:00	2.5	87.6	026	7.97	32.69	32.6	32.8	97.00	0.02
12/16/19 22:00	2.5	94.0	031	6.00	32.86	32.8	33.0	97.80	0.01
12/16/19 23:00	2.1	82.8	033	5.91	33.02	32.9	33.2	99.50	0.01
12/17/19 0:00	2.3	9.7	033	6.32	33.27	33.2	33.4	99.90	0.02
12/17/19 1:00	2.9	4.7	033	7.60	33.06	32.9	33.2	99.90	0.04
12/17/19 2:00	3.7	355.4	051	7.74	32.99	32.9	33.1	99.80	0.07
12/17/19 3:00	3.4	121.7	024	6.96	33.25	33.0	33.7	99.20	0.03
12/17/19 4:00	2.3	143.3	024	6.32	33.89	33.6	34.1	99.00	0.01
12/17/19 5:00	1.1	78.0	039	3.11	34.23	34.1	34.3	98.90	0.03
12/17/19 6:00	1.5	149.6	038	4.81	34.37	34.2	34.6	99.40	0.00
12/17/19 7:00	0.8	195.9	029	3.07	34.72	34.6	34.9	99.50	0.00
12/17/19 8:00	1.3	174.8	026	4.21	34.94	34.9	35.0	99.70	0.00
12/17/19 9:00	1.3	178.3	034	4.35	35.02	34.9	35.3	99.90	0.00
12/17/19 10:00	2.1	183.9	036	4.95	35.33	35.2	35.5	99.90	0.00
12/17/19 11:00	1.1	91.7	042	3.80	35.64	35.4	35.9	99.90	0.00
12/17/19 12:00	0.9	145.6	072	3.76	36.48	35.9	37.1	99.90	0.01
12/17/19 13:00	1.7	254.5	063	4.90	36.96	36.7	37.3	99.90	0.00
12/17/19 14:00	4.3	333.9	019	8.15	37.25	37.1	37.4	99.90	0.00
12/17/19 15:00	3.9	351.3	035	9.98	37.01	36.6	37.5	99.90	0.00
12/17/19 16:00	7.5	328.7	013	12.96	37.07	36.8	37.3	99.20	0.00
12/17/19 17:00	5.1	342.5	026	12.78	37.37	36.9	38.0	95.80	0.00
12/17/19 18:00	9.7	337.3	016	17.31	38.35	38.0	38.6	89.80	0.00
12/17/19 19:00	10.6	334.4	016	22.49	38.39	38.3	38.5	86.00	0.00
12/17/19 20:00	12.1	335.0	015	24.32	38.46	38.3	38.6	79.95	0.00
12/17/19 21:00	12.0	334.0	014	21.98	38.14	37.9	38.5	77.56	0.00
12/17/19 22:00	10.6	336.1	017	22.49	37.98	37.9	38.1	74.84	0.00
12/17/19 23:00	10.6	335.2	016	21.16	37.77	37.6	38.0	72.47	0.00
12/18/19 0:00	8.0	333.9	016	16.76	37.34	37.0	37.6	72.76	0.00
12/18/19 1:00	8.9	334.2	015	16.53	36.82	36.5	37.1	71.24	0.00
12/18/19 2:00	9.0	338.3	017	18.23	35.90	35.4	36.5	68.42	0.00
12/18/19 3:00	7.8	338.9	015	14.70	34.83	34.6	35.4	68.59	0.00
12/18/19 4:00	9.4	334.0	012	16.49	33.91	33.4	34.6	67.89	0.00
12/18/19 5:00	6.7	338.4	016	14.43	32.76	32.0	33.5	67.61	0.00
12/18/19 6:00	5.6	325.6	010	13.24	31.09	29.8	32.1	70.34	0.00
12/18/19 7:00	3.6	311.1	018	7.92	29.49	28.7	30.3	69.98	0.00
12/18/19 8:00	1.8	285.5	031	4.67	28.51	28.3	28.8	71.93	0.00
12/18/19 9:00	1.0	244.0	030	3.94	28.53	28.1	29.7	70.07	0.00
12/18/19 10:00	4.0	276.5	019	8.06	31.00	29.6	32.1	61.98	0.00

12/18/19 11:00	5.5	269.7	025	11.68	32.83	32.0	33.9	57.22	0.00
12/18/19 12:00	6.7	272.8	028	14.66	35.36	33.7	37.0	51.47	0.00
12/18/19 13:00	11.6	307.6	019	24.23	36.48	35.8	37.5	47.08	0.00
12/18/19 14:00	15.8	308.9	015	29.95	35.58	35.0	36.5	46.26	0.00
12/18/19 15:00	15.5	306.9	017	26.98	35.74	34.9	36.4	46.09	0.00
12/18/19 16:00	13.8	323.5	013	24.50	34.15	33.4	35.4	52.52	0.00
12/18/19 17:00	14.1	315.2	013	27.43	33.04	32.7	33.8	47.37	0.00
12/18/19 18:00	13.7	318.4	014	27.85	31.88	30.9	32.7	47.21	0.00
12/18/19 19:00	10.8	305.4	017	26.11	30.19	29.3	30.9	47.12	0.00
12/18/19 20:00	11.5	301.1	016	23.08	29.52	29.3	29.8	45.83	0.00
12/18/19 21:00	10.6	299.6	016	20.06	29.35	29.2	29.6	46.18	0.00
12/18/19 22:00	10.5	319.9	016	22.63	29.53	28.5	29.9	50.58	0.00
12/18/19 23:00	14.8	330.2	017	27.16	28.01	26.8	28.5	54.65	0.00
12/19/19 0:00	15.8	331.0	015	31.83	25.48	24.3	26.8	44.32	0.00
12/19/19 1:00	12.9	328.6	013	24.41	23.64	23.2	24.3	44.25	0.00
12/19/19 2:00	11.4	327.1	014	21.07	22.72	22.4	23.2	43.13	0.00
12/19/19 3:00	13.0	327.4	013	23.08	22.30	22.0	22.6	44.39	0.00
12/19/19 4:00	8.8	332.1	016	18.96	21.71	21.3	22.2	48.79	0.00
12/19/19 5:00	7.0	336.6	016	14.24	20.81	20.4	21.4	58.69	0.00
12/19/19 6:00	7.1	333.5	016	14.75	20.31	20.1	20.5	58.76	0.00
12/19/19 7:00	7.6	334.4	016	15.39	19.90	19.4	20.3	54.50	0.00
12/19/19 8:00	8.1	329.0	013	17.95	19.32	18.9	19.6	52.86	0.00
12/19/19 9:00	6.3	327.8	015	13.10	18.86	18.4	19.2	53.18	0.00
12/19/19 10:00	7.2	313.9	017	14.84	20.06	19.2	21.0	51.47	0.00
12/19/19 11:00	9.7	318.7	017	17.36	21.60	20.5	22.8	49.00	0.00
12/19/19 12:00	9.9	314.2	016	16.76	23.22	22.0	24.6	47.41	0.00
12/19/19 13:00	10.5	312.7	015	18.87	24.81	23.9	26.0	45.71	0.00
12/19/19 14:00	11.9	323.6	013	19.51	26.69	25.6	27.8	42.92	0.00
12/19/19 15:00	7.8	322.5	020	14.93	28.30	27.3	29.1	39.68	0.00
12/19/19 16:00	6.1	319.8	020	12.78	29.66	28.7	30.3	38.25	0.00
12/19/19 17:00	6.4	316.8	018	12.32	30.20	29.8	30.5	37.49	0.00
12/19/19 18:00	4.0	329.7	025	8.66	29.48	28.9	30.3	39.66	0.00
12/19/19 19:00	1.1	11.1	018	2.66	28.52	27.5	29.0	41.17	0.00
12/19/19 20:00	0.7	86.3	022	2.61	27.01	25.9	27.9	44.71	0.00
12/19/19 21:00	0.4	57.8	017	2.66	25.39	24.7	27.0	51.62	0.00
12/19/19 22:00	0.7	90.2	029	2.47	25.12	23.6	26.5	53.31	0.00
12/19/19 23:00	0.4	93.6	015	1.65	23.62	23.0	24.5	58.09	0.00
12/20/19 0:00	0.3	103.8	018	1.88	22.68	22.0	23.5	67.68	0.00
12/20/19 1:00	0.1	49.3	014	1.10	22.35	21.8	23.0	72.33	0.00
12/20/19 2:00	0.7	30.7	011	2.15	21.25	20.5	22.1	76.20	0.00
12/20/19 3:00	1.7	24.8	041	6.18	20.21	18.6	22.5	79.45	0.00
12/20/19 4:00	1.3	49.2	056	6.60	18.47	18.1	18.7	86.70	0.00

12/20/19 5:00	0.7	15.3	029	2.52	18.16	17.6	18.7	86.20	0.00
12/20/19 6:00	0.9	20.2	041	3.80	17.86	17.2	18.3	85.70	0.00
12/20/19 7:00	0.9	355.9	037	2.89	17.12	16.5	17.8	88.50	0.00
12/20/19 8:00	1.2	18.5	029	3.80	17.35	16.6	18.4	86.90	0.00
12/20/19 9:00	3.0	29.1	010	4.90	19.49	18.4	20.5	74.78	0.00
12/20/19 10:00	1.0	24.1	023	2.89	23.20	19.2	27.0	69.10	0.00
12/20/19 11:00	3.0	33.4	021	7.51	29.14	27.0	31.8	57.00	0.00
12/20/19 12:00	4.4	33.7	025	9.76	33.20	31.8	34.6	50.44	0.00
12/20/19 13:00	4.5	14.6	031	9.80	35.15	34.5	36.7	49.97	0.00
12/20/19 14:00	4.9	29.4	031	12.14	36.42	35.6	37.3	48.41	0.00
12/20/19 15:00	5.0	9.4	033	10.21	37.00	36.5	37.7	48.37	0.00
12/20/19 16:00	3.8	21.5	031	9.30	37.37	36.9	37.7	48.62	0.00
12/20/19 17:00	4.5	353.1	027	10.67	36.82	35.9	37.4	49.16	0.00
12/20/19 18:00	2.5	357.4	025	6.87	34.97	33.9	36.0	52.48	0.00
12/20/19 19:00	1.0	14.3	017	2.93	32.54	31.3	33.9	53.02	0.00
12/20/19 20:00	1.2	19.0	032	2.93	30.33	29.3	31.3	58.01	0.00
12/20/19 21:00	0.9	8.6	031	3.66	29.27	27.7	29.9	61.08	0.00
12/20/19 22:00	1.4	11.2	043	3.99	27.78	26.8	28.5	65.48	0.00
12/20/19 23:00	1.9	14.9	029	3.07	26.60	25.4	27.8	70.76	0.00
12/21/19 0:00	1.6	30.6	023	3.80	26.28	24.5	27.3	72.63	0.00
12/21/19 1:00	1.5	338.9	026	3.39	26.40	25.3	27.2	69.29	0.00
12/21/19 2:00	0.9	331.2	034	3.02	26.42	25.8	27.3	67.59	0.00
12/21/19 3:00	1.1	44.6	037	3.25	25.34	24.1	26.5	71.31	0.00
12/21/19 4:00	0.8	14.3	029	3.62	23.25	22.5	24.2	86.50	0.00
12/21/19 5:00	1.5	29.3	028	2.93	22.54	22.3	23.2	87.90	0.00
12/21/19 6:00	1.7	38.9	062	3.94	23.26	22.3	24.7	79.58	0.00
12/21/19 7:00	1.0	26.1	027	2.57	23.07	21.9	24.1	78.04	0.00
12/21/19 8:00	1.8	5.1	033	3.89	22.21	21.7	23.3	82.20	0.00
12/21/19 9:00	0.5	46.8	016	2.20	22.01	21.6	22.6	85.00	0.00
12/21/19 10:00	1.0	39.5	017	3.02	23.53	22.6	25.1	84.50	0.00
12/21/19 11:00	1.5	130.5	026	3.80	27.05	25.1	29.0	75.62	0.00
12/21/19 12:00	1.7	144.5	036	4.40	30.16	29.0	31.2	68.66	0.00
12/21/19 13:00	2.2	177.9	038	6.18	32.22	31.2	33.5	63.14	0.00
12/21/19 14:00	2.0	189.9	047	6.41	34.23	33.0	35.0	56.69	0.00
12/21/19 15:00	2.8	198.3	032	6.23	35.09	34.6	36.1	53.88	0.00
12/21/19 16:00	2.9	210.7	033	7.05	36.12	35.9	36.5	51.63	0.00
12/21/19 17:00	2.1	189.8	042	5.50	36.34	35.9	37.0	51.25	0.00
12/21/19 18:00	0.9	202.8	071	4.17	35.52	34.4	36.6	52.89	0.00
12/21/19 19:00	1.5	78.3	039	3.85	32.92	30.7	34.4	58.26	0.00
12/21/19 20:00	0.9	42.5	035	2.43	30.14	29.3	31.7	66.27	0.00
12/21/19 21:00	0.6	36.3	015	2.02	29.03	28.1	30.5	70.39	0.00
12/21/19 22:00	0.3	23.3	008	1.79	27.77	26.6	29.9	74.22	0.00

12/21/19 23:00	0.1	107.1	010	1.15	26.98	26.0	28.5	78.45	0.00
12/22/19 0:00	0.5	42.8	011	2.34	26.04	24.6	27.3	82.30	0.00
12/22/19 1:00	1.4	37.9	025	5.13	25.24	24.3	27.3	85.50	0.00
12/22/19 2:00	1.2	32.9	026	4.72	23.21	22.2	24.3	88.80	0.00
12/22/19 3:00	0.8	49.1	033	2.57	22.61	21.6	23.6	89.80	0.00
12/22/19 4:00	1.1	15.4	041	2.20	22.64	21.8	23.8	90.40	0.00
12/22/19 5:00	0.8	28.2	016	3.34	22.25	21.6	23.5	91.90	0.00
12/22/19 6:00	1.3	34.6	024	4.40	20.48	20.2	21.5	93.10	0.00
12/22/19 7:00	0.8	338.1	028	2.66	20.79	19.9	23.1	93.20	0.00
12/22/19 8:00	0.2	49.6	013	2.11	21.62	20.1	23.6	91.40	0.00
12/22/19 9:00	1.1	37.1	033	3.62	22.00	20.3	24.3	90.80	0.00
12/22/19 10:00	0.5	23.8	031	3.25	24.62	21.5	29.4	88.60	0.00
12/22/19 11:00	0.9	196.6	030	5.82	32.60	29.4	35.0	76.79	0.00
12/22/19 12:00	2.7	252.6	036	6.69	37.53	35.0	40.9	64.54	0.00
12/22/19 13:00	3.9	227.6	037	10.17	41.92	40.6	43.1	53.51	0.00
12/22/19 14:00	4.2	244.9	032	8.84	44.25	42.6	46.3	50.04	0.00
12/22/19 15:00	2.5	274.9	047	5.40	47.13	45.3	48.9	46.01	0.00
12/22/19 16:00	2.4	210.5	046	7.24	49.29	48.7	49.8	42.44	0.00
12/22/19 17:00	3.0	199.2	027	7.28	49.06	48.6	49.6	42.97	0.00
12/22/19 18:00	1.2	171.6	023	3.62	46.59	43.4	48.6	46.39	0.00
12/22/19 19:00	0.5	167.8	018	2.24	42.86	41.6	43.9	55.39	0.00
12/22/19 20:00	0.3	212.7	012	1.33	40.81	39.6	41.9	60.11	0.00
12/22/19 21:00	0.1	129.6	011	0.96	37.97	35.8	39.6	65.94	0.00
12/22/19 22:00	0.6	26.7	023	2.93	34.82	32.5	38.1	73.21	0.00
12/22/19 23:00	0.7	14.8	027	2.52	32.90	31.8	34.5	78.25	0.00
12/23/19 0:00	0.9	22.2	026	3.44	31.52	29.6	34.3	81.50	0.00
12/23/19 1:00	0.7	31.6	024	3.02	29.95	29.0	33.7	85.00	0.00
12/23/19 2:00	0.5	24.4	010	3.07	28.43	27.5	30.0	88.50	0.00
12/23/19 3:00	0.9	3.4	011	3.66	30.28	28.4	32.1	85.50	0.00
12/23/19 4:00	0.6	20.4	008	2.20	29.19	27.7	31.5	87.30	0.00
12/23/19 5:00	0.9	38.7	024	6.23	28.36	27.3	30.7	90.00	0.00
12/23/19 6:00	2.9	19.7	029	6.46	28.01	26.1	31.1	90.10	0.00
12/23/19 7:00	0.4	25.6	009	2.43	27.34	25.9	29.4	92.50	0.00
12/23/19 8:00	0.2	55.3	020	1.74	27.48	26.7	29.1	92.80	0.00
12/23/19 9:00	1.9	34.1	035	5.82	26.07	24.6	28.8	93.20	0.00
12/23/19 10:00	1.0	355.9	023	3.71	27.43	25.7	29.7	92.40	0.00
12/23/19 11:00	1.1	51.5	037	3.71	30.44	28.6	32.6	90.60	0.00
12/23/19 12:00	1.4	82.2	086	4.40	34.19	31.4	37.6	83.70	0.00
12/23/19 13:00	0.6	280.6	051	2.24	40.98	37.6	43.9	70.49	0.00
12/23/19 14:00	1.9	180.9	088	6.18	46.17	43.3	50.6	59.10	0.00
12/23/19 15:00	2.7	271.9	050	6.18	51.62	50.3	54.3	40.56	0.00
12/23/19 16:00	2.7	257.1	045	5.73	54.82	53.4	56.3	33.84	0.00

12/23/19 17:00	2.5	241.7	025	5.59	54.80	53.6	55.4	35.42	0.00
12/23/19 18:00	1.8	294.7	037	3.99	50.76	48.8	53.6	40.71	0.00
12/23/19 19:00	0.6	30.6	050	4.90	46.79	45.2	49.4	46.73	0.00
12/23/19 20:00	1.1	346.2	066	4.86	42.92	41.2	46.0	54.12	0.00
12/23/19 21:00	0.5	358.9	016	2.47	40.92	39.8	42.3	58.64	0.00
12/23/19 22:00	0.2	328.1	036	1.74	38.43	37.2	41.6	65.07	0.00
12/23/19 23:00	1.2	0.8	026	5.77	37.95	34.3	41.9	67.38	0.00
12/24/19 0:00	0.4	9.4	038	2.79	36.83	34.5	40.9	70.66	0.00
12/24/19 1:00	0.7	350.2	032	3.57	37.26	34.9	39.7	69.86	0.00
12/24/19 2:00	1.8	358.8	024	7.19	36.48	34.3	39.5	71.74	0.00
12/24/19 3:00	0.9	358.6	033	3.71	34.22	32.7	36.3	77.27	0.00
12/24/19 4:00	1.6	353.8	023	5.95	36.36	32.3	42.1	73.54	0.00
12/24/19 5:00	5.0	334.3	007	8.06	43.29	38.2	44.6	60.94	0.00
12/24/19 6:00	3.5	335.4	010	6.82	42.93	41.1	44.0	59.32	0.00
12/24/19 7:00	3.9	351.2	015	7.69	41.75	40.8	42.7	60.70	0.00
12/24/19 8:00	3.2	352.2	014	6.60	41.73	40.9	42.5	60.19	0.00
12/24/19 9:00	1.9	8.4	017	4.81	40.62	39.3	42.0	63.58	0.00
12/24/19 10:00	3.1	12.0	016	9.02	41.95	39.8	43.9	65.15	0.00
12/24/19 11:00	4.1	22.8	023	9.57	44.28	43.4	45.5	64.05	0.00
12/24/19 12:00	5.7	32.7	025	13.14	46.47	45.4	47.6	63.15	0.00
12/24/19 13:00	5.2	26.7	026	11.36	48.26	47.5	49.1	58.70	0.00
12/24/19 14:00	4.7	38.0	027	10.81	49.14	48.8	49.6	51.89	0.00
12/24/19 15:00	4.5	38.6	030	9.66	49.91	49.2	50.5	47.93	0.00
12/24/19 16:00	3.5	47.7	036	8.52	50.47	50.0	51.1	47.15	0.00
12/24/19 17:00	3.5	28.7	024	7.60	50.21	49.5	50.8	48.06	0.00
12/24/19 18:00	1.9	8.6	017	4.58	48.47	47.2	49.6	50.86	0.00
12/24/19 19:00	1.5	12.0	019	3.39	45.87	44.5	47.2	54.03	0.00
12/24/19 20:00	1.6	14.9	013	3.30	43.38	42.0	44.5	58.45	0.00
12/24/19 21:00	2.5	15.2	010	4.86	40.76	39.4	42.1	64.40	0.00
12/24/19 22:00	1.8	34.5	022	3.39	38.35	36.9	39.8	69.80	0.00
12/24/19 23:00	1.0	14.1	017	3.44	33.97	31.9	37.1	80.20	0.00
12/25/19 0:00	1.5	26.4	022	4.31	32.25	29.8	34.6	82.90	0.00
12/25/19 1:00	0.9	4.1	015	3.71	29.74	28.7	32.7	89.60	0.00
12/25/19 2:00	1.6	32.8	020	3.21	30.37	28.6	32.7	87.00	0.00
12/25/19 3:00	1.6	30.7	029	2.70	28.22	26.5	29.7	91.50	0.00
12/25/19 4:00	1.1	0.0	030	3.02	25.82	25.2	27.8	93.90	0.00
12/25/19 5:00	0.8	43.8	020	2.20	26.80	25.9	28.2	94.00	0.00
12/25/19 6:00	0.9	36.4	017	2.75	26.28	25.5	27.5	93.80	0.00
12/25/19 7:00	1.0	51.1	012	2.38	26.92	26.1	27.8	92.80	0.00
12/25/19 8:00	1.2	40.8	032	3.30	25.10	24.4	26.7	93.60	0.00
12/25/19 9:00	1.2	40.5	022	2.11	25.70	24.7	27.1	93.70	0.00
12/25/19 10:00	0.7	4.6	040	2.66	28.50	25.5	32.5	89.40	0.00

12/25/19 11:00	0.1	31.6	021	1.37	36.12	32.5	39.5	72.10	0.00
12/25/19 12:00	1.5	106.7	056	4.81	40.68	39.0	43.4	57.28	0.00
12/25/19 13:00	2.8	199.3	038	7.47	44.43	43.0	45.9	51.99	0.00
12/25/19 14:00	2.5	195.4	045	6.14	46.68	45.1	47.7	46.53	0.00
12/25/19 15:00	3.2	207.1	028	7.92	47.68	46.9	48.2	44.05	0.00
12/25/19 16:00	2.9	191.1	028	6.64	48.28	47.6	48.6	44.18	0.00
12/25/19 17:00	2.5	159.8	029	7.05	47.96	47.1	48.6	45.34	0.00
12/25/19 18:00	1.9	177.2	025	5.82	46.22	45.0	47.1	49.12	0.00
12/25/19 19:00	0.3	195.1	030	2.43	43.69	41.3	45.1	50.86	0.00
12/25/19 20:00	0.3	45.4	020	2.15	39.67	38.0	42.0	59.02	0.00
12/25/19 21:00	0.4	102.2	029	2.43	35.58	34.0	38.0	70.56	0.00
12/25/19 22:00	1.4	42.1	032	3.94	33.20	31.0	36.5	76.95	0.00
12/25/19 23:00	1.7	28.8	019	4.03	30.17	28.5	33.7	84.30	0.00
12/26/19 0:00	0.8	44.7	025	2.98	29.49	28.5	30.7	86.70	0.00
12/26/19 1:00	0.6	18.1	012	3.30	29.77	28.9	31.5	88.90	0.00
12/26/19 2:00	2.0	55.8	048	5.77	29.47	28.2	32.4	90.10	0.00
12/26/19 3:00	1.5	27.0	041	5.08	28.43	27.1	30.1	92.50	0.00
12/26/19 4:00	1.1	33.3	014	5.86	29.48	28.8	30.0	93.30	0.00
12/26/19 5:00	0.8	16.5	028	2.57	27.98	26.5	29.1	95.00	0.00
12/26/19 6:00	1.2	36.7	024	2.66	29.03	28.3	29.5	96.50	0.00
12/26/19 7:00	1.3	16.5	017	2.66	28.46	26.3	29.9	96.40	0.00
12/26/19 8:00	0.4	19.9	014	2.15	27.49	26.1	30.0	96.80	0.00
12/26/19 9:00	1.6	37.6	010	3.16	29.15	28.6	30.1	96.90	0.00
12/26/19 10:00	0.8	34.6	029	2.89	31.39	28.7	35.4	92.10	0.00
12/26/19 11:00	1.2	40.9	032	3.62	38.03	35.4	41.0	82.60	0.00
12/26/19 12:00	2.1	28.7	030	5.08	42.91	40.9	45.1	77.40	0.00
12/26/19 13:00	1.8	34.6	065	5.59	48.37	45.1	51.6	66.66	0.00
12/26/19 14:00	2.0	80.0	055	4.90	52.39	51.2	53.8	58.18	0.00
12/26/19 15:00	3.0	120.8	029	6.46	54.39	53.6	55.3	52.04	0.00
12/26/19 16:00	3.0	113.6	029	6.69	55.22	54.2	56.0	49.78	0.00
12/26/19 17:00	3.2	137.8	026	6.73	54.50	53.7	55.4	50.00	0.00
12/26/19 18:00	3.4	134.8	021	6.92	52.41	51.0	53.7	54.58	0.00
12/26/19 19:00	3.3	111.5	017	7.33	49.75	48.7	51.0	62.83	0.00
12/26/19 20:00	3.7	126.6	016	7.92	47.75	47.2	48.7	71.43	0.00
12/26/19 21:00	2.8	120.1	016	5.54	46.54	46.2	47.2	78.01	0.00
12/26/19 22:00	3.1	115.0	016	8.98	45.82	45.6	46.2	82.00	0.00
12/26/19 23:00	3.6	132.0	017	8.79	45.33	44.6	46.1	83.60	0.00
12/27/19 0:00	3.0	134.2	016	6.28	44.24	43.9	44.7	86.40	0.00
12/27/19 1:00	2.5	147.3	018	6.09	44.00	43.9	44.2	86.70	0.00
12/27/19 2:00	1.5	142.4	018	3.94	43.55	42.9	44.0	87.70	0.00
12/27/19 3:00	1.1	102.3	033	3.30	41.52	40.6	42.9	92.20	0.00
12/27/19 4:00	1.9	44.8	035	3.11	40.88	39.8	41.6	94.30	0.00

12/27/19 5:00	0.3	58.7	034	1.88	38.21	37.9	39.8	97.50	0.00
12/27/19 6:00	1.3	43.0	028	2.98	37.29	36.2	39.1	98.50	0.00
12/27/19 7:00	0.6	58.4	028	2.66	37.13	36.1	38.0	98.90	0.00
12/27/19 8:00	1.4	150.6	019	4.31	39.23	37.3	40.0	99.00	0.00
12/27/19 9:00	1.2	168.4	029	4.17	40.43	39.6	41.0	99.90	0.00
12/27/19 10:00	1.3	153.7	022	3.48	41.54	41.0	42.3	99.90	0.00
12/27/19 11:00	1.8	191.2	051	7.10	43.42	42.3	44.9	99.70	0.00
12/27/19 12:00	3.4	201.5	026	7.97	45.34	45.0	46.0	94.40	0.00
12/27/19 13:00	3.7	210.1	034	9.57	47.70	46.0	50.6	89.60	0.00
12/27/19 14:00	4.0	232.3	036	9.16	52.60	50.4	53.8	78.07	0.00
12/27/19 15:00	4.9	228.4	031	10.35	55.66	53.6	57.4	68.24	0.00
12/27/19 16:00	4.2	216.9	027	9.11	56.97	56.4	57.5	62.74	0.00
12/27/19 17:00	3.0	251.4	030	6.96	56.77	55.8	57.8	62.39	0.00
12/27/19 18:00	2.3	289.2	023	4.44	54.68	53.2	55.8	66.98	0.00
12/27/19 19:00	0.6	174.4	063	2.34	52.91	52.1	53.7	72.21	0.00
12/27/19 20:00	0.6	194.1	023	2.52	51.37	50.2	52.4	77.85	0.00
12/27/19 21:00	1.2	190.8	016	2.93	51.57	50.9	52.4	78.50	0.00
12/27/19 22:00	0.9	28.1	019	5.13	48.54	45.6	50.9	84.80	0.00
12/27/19 23:00	0.9	54.0	056	2.75	46.81	44.5	48.9	89.80	0.00
12/28/19 0:00	1.5	30.4	056	3.39	45.83	43.0	48.3	90.40	0.00
12/28/19 1:00	1.2	23.3	033	2.84	44.42	42.9	46.3	93.60	0.00
12/28/19 2:00	0.9	41.0	044	3.71	44.76	42.6	47.9	93.30	0.00
12/28/19 3:00	0.9	27.0	035	3.53	42.54	40.6	45.7	94.90	0.00
12/28/19 4:00	0.5	82.6	056	2.98	41.24	39.4	44.5	98.00	0.00
12/28/19 5:00	0.4	315.3	036	2.29	41.33	39.7	43.8	96.90	0.00
12/28/19 6:00	1.0	317.4	057	4.03	42.99	40.2	47.6	93.80	0.00
12/28/19 7:00	0.1	83.8	003	1.47	40.31	39.2	41.2	97.70	0.00
12/28/19 8:00	1.1	9.2	037	5.86	40.77	38.3	42.9	98.00	0.00
12/28/19 9:00	1.1	339.8	022	4.99	42.09	39.8	45.9	93.20	0.00
12/28/19 10:00	2.1	339.1	016	5.68	48.18	41.1	51.9	87.80	0.00
12/28/19 11:00	2.5	324.8	023	5.77	54.54	51.6	56.3	75.21	0.00
12/28/19 12:00	6.2	321.5	013	12.73	58.11	56.3	59.0	63.91	0.00
12/28/19 13:00	8.5	320.2	014	15.07	59.26	58.6	60.0	59.08	0.00
12/28/19 14:00	7.6	307.1	016	12.18	59.98	59.2	61.0	57.46	0.00
12/28/19 15:00	5.4	302.8	020	10.90	61.06	60.5	61.9	53.02	0.00
12/28/19 16:00	3.1	327.1	028	7.92	60.97	60.6	61.5	53.54	0.00
12/28/19 17:00	1.6	343.2	028	5.63	61.32	61.0	61.9	51.80	0.00
12/28/19 18:00	0.7	39.1	037	2.70	61.06	59.0	62.8	49.84	0.00
12/28/19 19:00	1.4	70.3	048	2.93	56.73	54.9	58.9	57.48	0.00
12/28/19 20:00	0.7	63.2	041	4.08	52.11	50.0	55.9	68.02	0.00
12/28/19 21:00	1.2	42.8	051	3.25	49.48	47.1	53.1	73.65	0.00
12/28/19 22:00	1.5	38.0	029	3.16	46.91	45.4	49.0	78.75	0.00

12/28/19 23:00	1.9	32.7	027	3.94	44.81	42.6	48.2	83.60	0.00
12/29/19 0:00	1.8	40.9	027	3.62	42.66	41.4	44.6	87.80	0.00
12/29/19 1:00	2.4	48.2	022	4.17	44.05	41.9	44.9	87.20	0.00
12/29/19 2:00	2.0	58.8	030	3.94	43.88	42.7	44.8	88.70	0.00
12/29/19 3:00	1.0	50.9	030	2.84	43.75	42.5	44.9	89.30	0.00
12/29/19 4:00	2.1	23.3	022	4.03	43.22	42.1	43.9	89.80	0.00
12/29/19 5:00	1.5	38.5	021	3.34	43.05	42.5	43.6	89.50	0.00
12/29/19 6:00	0.9	41.3	020	2.29	43.82	43.2	44.5	87.90	0.00
12/29/19 7:00	1.6	62.7	020	2.98	43.36	42.9	43.8	88.50	0.00
12/29/19 8:00	1.9	59.8	020	4.53	42.88	42.2	43.5	89.00	0.00
12/29/19 9:00	2.1	112.5	035	5.54	43.77	42.9	44.6	90.00	0.00
12/29/19 10:00	2.7	130.3	025	6.92	45.56	44.6	46.5	91.00	0.00
12/29/19 11:00	2.9	133.8	023	6.92	47.02	46.5	47.7	90.00	0.00
12/29/19 12:00	3.1	139.7	023	7.79	47.69	47.5	47.9	92.60	0.02
12/29/19 13:00	3.5	141.3	024	9.94	47.68	47.5	47.9	97.50	0.13
12/29/19 14:00	4.1	143.1	022	9.21	48.07	47.7	48.6	99.20	0.13
12/29/19 15:00	3.7	137.3	021	8.47	48.94	48.6	49.1	99.70	0.09
12/29/19 16:00	4.1	135.6	021	11.13	49.11	48.9	49.3	99.80	0.03
12/29/19 17:00	3.8	136.7	021	8.75	49.08	49.0	49.2	99.80	0.03
12/29/19 18:00	3.5	129.5	018	8.98	49.07	49.0	49.1	99.90	0.01
12/29/19 19:00	3.9	121.8	018	8.29	48.89	48.6	49.1	100.00	0.07
12/29/19 20:00	3.5	112.4	020	8.02	48.25	48.1	48.7	100.00	0.01
12/29/19 21:00	3.9	116.1	017	7.28	48.04	47.9	48.2	100.00	0.02
12/29/19 22:00	3.6	120.7	018	7.79	48.15	48.1	48.4	100.00	0.00
12/29/19 23:00	3.2	101.7	017	7.24	48.23	48.1	48.5	100.00	0.01
12/30/19 0:00	2.8	98.7	022	6.14	48.01	47.9	48.1	100.00	0.00
12/30/19 1:00	2.8	105.0	035	6.18	48.16	48.1	48.2	100.00	0.00
12/30/19 2:00	3.1	97.0	016	6.23	48.32	48.2	48.5	100.00	0.01
12/30/19 3:00	3.1	94.5	018	6.50	48.76	48.5	49.2	100.00	0.01
12/30/19 4:00	3.1	120.3	021	6.78	49.73	49.2	50.2	100.00	0.02
12/30/19 5:00	2.1	102.2	040	7.05	50.70	49.9	51.4	100.00	0.01
12/30/19 6:00	1.2	134.3	077	2.93	50.92	50.6	51.2	100.00	0.00
12/30/19 7:00	1.6	131.7	023	5.13	51.37	50.8	52.1	100.00	0.00
12/30/19 8:00	3.3	155.5	021	10.03	53.69	52.0	56.1	100.00	0.00
12/30/19 9:00	3.7	172.4	039	7.51	57.50	56.1	58.9	100.00	0.01
12/30/19 10:00	3.7	148.0	017	8.56	59.68	58.6	60.5	100.00	0.00
12/30/19 11:00	3.6	160.3	022	7.88	61.29	60.5	61.8	100.00	0.00
12/30/19 12:00	7.2	327.3	029	22.26	53.86	51.9	61.9	99.90	0.10
12/30/19 13:00	2.5	19.1	043	6.28	53.19	51.9	54.1	100.00	0.02
12/30/19 14:00	1.9	11.2	039	5.59	54.95	54.0	56.7	99.00	0.01
12/30/19 15:00	2.1	71.0	027	4.63	58.75	56.7	60.3	89.70	0.00
12/30/19 16:00	2.2	26.8	031	6.00	61.62	60.3	62.2	78.89	0.00

12/30/19 17:00	2.8	38.7	019	5.95	60.35	59.1	61.9	80.20	0.00
12/30/19 18:00	2.9	43.6	024	7.83	57.94	56.9	59.1	86.50	0.00
12/30/19 19:00	3.8	24.9	019	9.34	54.86	53.4	56.9	92.20	0.00
12/30/19 20:00	4.3	36.0	026	11.91	52.17	49.6	53.4	95.30	0.00
12/30/19 21:00	5.0	45.7	023	11.45	47.83	46.4	49.6	98.90	0.00
12/30/19 22:00	3.9	42.4	031	10.81	45.41	44.8	46.4	99.80	0.00
12/30/19 23:00	2.7	64.9	032	7.05	44.64	44.2	44.9	99.30	0.00
12/31/19 0:00	3.8	37.7	022	8.15	43.48	42.7	44.2	99.40	0.00
12/31/19 1:00	3.1	77.2	023	7.05	42.19	41.9	42.7	99.20	0.00
12/31/19 2:00	2.2	86.4	043	6.09	41.62	41.5	41.9	99.60	0.00
12/31/19 3:00	2.3	11.5	033	7.79	41.51	41.3	41.6	99.90	0.00
12/31/19 4:00	3.4	348.6	023	8.29	41.16	41.0	41.4	99.20	0.00
12/31/19 5:00	2.8	356.7	022	7.37	41.02	40.8	41.1	97.20	0.00
12/31/19 6:00	2.5	5.4	023	6.64	40.42	40.1	40.8	95.80	0.00
12/31/19 7:00	1.8	3.4	025	4.86	39.87	39.5	40.1	97.00	0.00
12/31/19 8:00	0.6	9.9	040	2.84	39.65	39.6	39.8	97.70	0.00
12/31/19 9:00	0.7	359.1	044	3.16	39.78	39.6	40.0	98.00	0.00
12/31/19 10:00	3.0	221.5	020	8.29	40.36	40.0	40.7	96.70	0.00
12/31/19 11:00	3.0	223.0	027	7.37	41.26	40.5	42.1	93.30	0.00
12/31/19 12:00	4.1	246.9	027	9.66	42.71	42.0	43.3	90.20	0.00
12/31/19 13:00	4.7	265.9	027	11.04	45.16	43.3	47.0	84.00	0.00
12/31/19 14:00	5.8	258.6	029	12.09	47.78	46.1	49.0	68.20	0.00
12/31/19 15:00	6.8	257.0	023	14.89	48.91	47.7	51.1	57.16	0.00
12/31/19 16:00	7.3	252.9	025	15.62	50.29	49.1	51.5	49.91	0.00
12/31/19 17:00	6.2	254.4	025	14.79	49.89	49.0	51.6	46.87	0.00
12/31/19 18:00	5.0	252.2	023	10.95	49.30	49.0	50.1	46.23	0.00
12/31/19 19:00	4.8	281.2	025	14.93	48.57	47.9	49.2	48.10	0.00
12/31/19 20:00	9.7	308.9	012	17.08	46.87	45.9	47.9	49.56	0.00
12/31/19 21:00	8.8	317.8	011	16.63	44.74	43.5	46.0	51.64	0.00
12/31/19 22:00	9.8	324.3	010	17.59	43.17	42.7	43.5	53.37	0.00
12/31/19 23:00	10.4	317.5	011	19.05	42.97	42.7	43.3	53.36	0.00