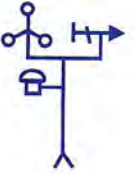




TECHNICAL ENVIRONMENTAL SERVICES, LLC



March 11, 2019

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 February 2019. All the instrumentation worked normally during February. Data recovery for all parameters was near 100% for the month. February had a precipitation total of 3.28 inches.

Attached is a wind rose for the month of February 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

**GUDE DRIVE METEOROLOGICAL TOWER
DATA RECOVERY
JANUARY-FEBRUARY 2019**

PARAMETER	RECOVERY (percent)
Wind Speed 3m	99.0
Wind Direction 3m	99.3
Temperature 2m	100.0
Relative Humidity 2m	100.0
Precipitation	100.0

Run Date: 3/11/2019 4:48:05 PM

WIND ROSE

(WINDS FROM)

N



0.00% PERCENT CALMS
(NOT INCLUDED IN PLOT)

Start Date: 2/1/2019 00:00

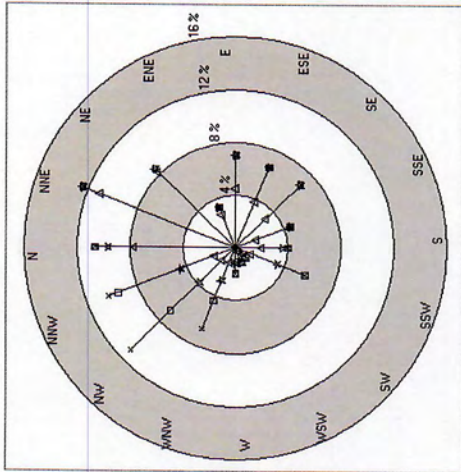
End Date: 2/28/2019 23:00

Sensors Selected

3M_V3
3M_VD

Legend

- A WIND SPEED LESS THAN 3.5 MPH
- △ WIND SPEED LESS THAN 7.5 MPH
- WIND SPEED LESS THAN 12.5 MPH
- ✱ WIND SPEED GREATER THAN 12.5 MPH



Date Time	Avg_WS (MPH)	Avg_WD (DEG)	Sigma (DEG)	Max_Wspd (MPH)	Avg_Temp (DEG F)	Min_Temp (DEG F)	Max_Temp (DEG F)	Avg_RelH (%)	Total_Rain (INCH)
2/1/19 0:00	1.631	24.88	25.75	5.954	8.39	7.431	9.34	75.01	0
2/1/19 1:00	3.074	17.17	15.78	4.992	7.731	7.106	8.22	76.51	0
2/1/19 2:00	2.534	31.88	27.04	5.084	8.61	8.12	9.1	70.58	0
2/1/19 3:00	2.93	30.56	11.25	4.901	9.9	8.55	11.4	64.64	0
2/1/19 4:00	2.132	27.74	13.43	3.847	12.07	11.22	13.09	61.23	0
2/1/19 5:00	1.526	44.6	43.5	4.076	13.77	13.03	14.85	62.52	0
2/1/19 6:00	1.962	88.5	31.43	5.359	15.59	14.84	15.97	48.95	0
2/1/19 7:00	1.491	61.36	39.15	2.977	16.11	15.92	16.31	46.25	0
2/1/19 8:00	2.103	91.8	41.12	7.328	16.25	15.67	16.6	53.64	0
2/1/19 9:00	2.604	93.1	28.52	5.908	15.32	15.1	15.74	81.5	0
2/1/19 10:00	3.588	60.27	18.85	7.282	15.62	15.31	15.88	87.4	0
2/1/19 11:00	3.773	81.8	30.71	7.923	16.21	15.79	16.64	85.3	0
2/1/19 12:00	3.47	111.2	30.7	7.465	17.44	16.57	18.17	82.5	0
2/1/19 13:00	3.256	95.6	39.33	6.824	18.49	17.87	19.25	79.85	0
2/1/19 14:00	2.859	94.3	38.5	6.549	19.26	18.85	19.98	77.16	0
2/1/19 15:00	2.468	50.87	48.69	6.824	20.13	19.14	21.03	74.19	0
2/1/19 16:00	1.833	41.6	45.9	4.992	20.06	19.75	20.33	76.54	0
2/1/19 17:00	3.309	25.16	17.97	6.595	19.51	19.17	19.89	80.7	0
2/1/19 18:00	2.2	28.93	17.33	5.313	19.2	19.14	19.35	83.1	0
2/1/19 19:00	1.894	12.33	21.82	4.351	19.37	19.28	19.46	82.7	0
2/1/19 20:00	1.341	21.35	20.08	3.343	19.55	19.39	19.68	81.2	0
2/1/19 21:00	0.895	24.86	22.31	3.069	19.58	19.14	19.71	82.7	0
2/1/19 22:00	2.105	8.82	17	3.298	18.25	17.38	19.14	86.3	0
2/1/19 23:00	2.346	4.947	22.28	4.259	17.09	16.21	17.97	88.8	0
2/2/19 0:00	2.234	23.57	18.59	4.397	15.94	14.98	17.22	90.9	0
2/2/19 1:00	1.63	20.39	44.05	4.122	14.28	12.6	15.53	92.6	0
2/2/19 2:00	0.125	148.3	29.57	1.237	14.17	13.08	14.8	93.5	0
2/2/19 3:00	0.415	356.2	40.01	1.74	13.79	12.89	14.47	93	0
2/2/19 4:00	0.874	3.131	31.24	2.656	12.55	11.8	13.58	92.2	0
2/2/19 5:00	0.632	25.59	51.5	3.389	12.14	9.79	14.34	90.6	0
2/2/19 6:00	0.211	337.7	31.55	1.786	11.45	9.96	12.96	91.5	0
2/2/19 7:00	0.77	39.09	23.25	3.985	11.06	7.545	12.7	90.7	0
2/2/19 8:00	0.644	45.09	17.12	4.763	9.24	6.959	13.01	89.5	0
2/2/19 9:00	0.193	149.2	13.3	1.924	17.33	13	20.85	86.6	0
2/2/19 10:00	3.4	185.8	26.14	10.26	22.73	20.84	24.53	72.17	0
2/2/19 11:00	5.489	201.3	19.65	11.04	26.05	24.53	27.67	65.35	0.01
2/2/19 12:00	6.275	195.9	20.01	12.37	28.8	27.38	30.89	62.69	0
2/2/19 13:00	5.226	205.2	28.07	11.4	32.1	30.59	33.6	60.38	0
2/2/19 14:00	5.129	196.7	24.94	10.85	34.63	33.26	36.34	58.09	0
2/2/19 15:00	5.033	201.7	25.97	9.85	36.85	35.37	37.77	54.92	0
2/2/19 16:00	4.614	204.6	25.16	9.3	38.31	37.13	39.3	52.61	0
2/2/19 17:00	4.016	193.9	24.24	9.85	38.99	38.5	39.72	52.45	0

2/2/19 18:00	2.607	193.2	21.16	6.366	36.94	35.72	38.57	57.17	0
2/2/19 19:00	2.807	200.4	13.46	5.908	35.07	34.52	35.76	61.03	0
2/2/19 20:00	2.309	175.6	19.71	5.175	34.27	34.09	34.63	62.64	0
2/2/19 21:00	1.369	173.8	13.85	2.931	33.38	32.83	34.1	64.58	0
2/2/19 22:00	0.195	90.1	22.07	1.74	31.87	30.73	33.4	69.81	0
2/2/19 23:00	0.516	40.35	35.24	2.29	29.35	27.96	31.13	76.86	0
2/3/19 0:00	1.558	43.2	55.95	3.847	26.95	25.97	28.06	83.6	0
2/3/19 1:00	1.057	34.53	31.22	5.588	26.91	26	27.75	84.2	0
2/3/19 2:00	0.941	33.94	38.89	3.298	25.66	24.63	26.46	87.1	0
2/3/19 3:00	0.95	22.66	63.64	3.252	25.92	25.1	27.17	86.7	0
2/3/19 4:00	1.256	34.5	42.94	3.435	25	24.02	26.57	88.4	0
2/3/19 5:00	1.667	34.15	39.74	4.809	23.98	22.71	24.59	90.1	0
2/3/19 6:00	0.934	22.65	51.92	3.985	23.8	22.57	24.82	90.9	0
2/3/19 7:00	0.984	48.06	67.66	4.809	23.26	22.43	24.78	92	0
2/3/19 8:00	1.403	31.74	34.04	3.298	23.87	23.33	24.77	91	0
2/3/19 9:00	2.051	35.23	20.52	4.351	27.98	24.67	31.65	83.6	0
2/3/19 10:00	1.288	36.63	29.37	3.618	36.12	31.64	40.05	66.85	0
2/3/19 11:00	1.647	67.12	41.12	4.259	43.01	40.05	47.02	55.32	0
2/3/19 12:00	1.767	94.3	48.22	5.679	48.13	46.11	50.09	48.99	0
2/3/19 13:00	3.517	125.4	31.36	7.649	50.64	49.39	51.39	48.53	0
2/3/19 14:00	3.998	128.6	36.23	7.923	52.28	50.87	53.58	47.19	0
2/3/19 15:00	3.788	136	37.72	9.53	52.8	51.63	54.2	47.6	0
2/3/19 16:00	3.413	113.6	36	7.603	52.76	51.63	53.59	49.13	0
2/3/19 17:00	3.083	125.2	23.34	6.183	51.97	51.23	52.51	50.76	0
2/3/19 18:00	2.372	113.5	25.82	4.946	49.49	47.2	51.21	55.13	0
2/3/19 19:00	2.195	147.2	22.53	5.633	46.6	46.04	47.16	60.42	0
2/3/19 20:00	2.807	109.3	23.28	5.542	44.89	43.16	46.19	62.17	0
2/3/19 21:00	2.39	22.26	20.21	3.939	40.18	37.81	43.1	73.22	0
2/3/19 22:00	1.847	21.86	12.84	4.214	35.32	33.4	38.32	85.3	0
2/3/19 23:00	1.11	31.9	35.86	4.534	33.78	31.21	35.04	89.2	0
2/4/19 0:00	1.048	0.101	38.35	3.618	32.13	31.13	32.98	92.4	0
2/4/19 1:00	0.88	18.67	27.32	3.985	30.91	29.87	31.72	94.2	0
2/4/19 2:00	1.394	357.2	30.99	5.679	29.59	28.75	31.43	95.4	0
2/4/19 3:00	1.075	31.09	53.66	4.626	30.67	29.18	32.51	95.8	0
2/4/19 4:00	1.238	24.73	18.72	2.977	28.87	27.84	30.49	96.3	0
2/4/19 5:00	1.075	351.9	24.02	2.336	28.01	27.18	29.19	97.2	0
2/4/19 6:00	0.55	30.4	42.29	2.748	29.05	26.94	30.53	98.1	0
2/4/19 7:00	1.123	32.29	39.43	5.038	29.47	28.28	30.59	97.6	0
2/4/19 8:00	1.931	27.45	15.38	4.03	29.47	28.31	30.61	97.9	0
2/4/19 9:00	0.676	28.59	10.83	4.763	33.55	28.67	39.15	92.4	0
2/4/19 10:00	1.384	28.22	23.31	4.214	40.78	37.48	45.08	76.22	0
2/4/19 11:00	2.347	18.69	35.43	6.733	47.61	45.1	50.74	64.22	0
2/4/19 12:00	1.897	183.2	74.18	6.549	54.61	50.74	56.33	53.38	0

2/4/19 13:00	3.285	200	33.19	6.962	57.16	55.38	58.85	48.66	0
2/4/19 14:00	2.52	194.3	59.55	6.778	59.72	57.95	61.41	45.1	0
2/4/19 15:00	3.71	181.3	35.83	8.15	61.01	60.25	61.85	43.7	0
2/4/19 16:00	3.402	154.6	33.12	7.923	61.07	60.36	62.24	43.37	0
2/4/19 17:00	2.397	175.3	29.48	7.465	60.16	59.14	60.88	44.03	0
2/4/19 18:00	1.657	153.8	18.22	4.397	57	55.49	59.14	49.23	0
2/4/19 19:00	0.479	51.98	55.64	1.969	53.57	51.59	55.5	55.46	0
2/4/19 20:00	1.196	75.64	59.58	3.252	48.41	46.32	52.21	65.99	0
2/4/19 21:00	0.146	133	32.59	1.237	44.77	43.76	46.37	74.65	0
2/4/19 22:00	0.787	34.83	35.18	2.153	42.93	40.49	45.65	77.31	0
2/4/19 23:00	0.519	48.21	40.4	1.603	39.06	37.88	40.6	86	0
2/5/19 0:00	0.426	41.03	41.36	2.061	38.06	37.12	39.36	87.4	0
2/5/19 1:00	0.533	39.05	58.3	1.832	37.5	36.51	38.36	88.5	0
2/5/19 2:00	0.875	344	55.69	2.702	37.56	35.57	39.86	89.4	0
2/5/19 3:00	0.942	33.24	48.34	3.114	37.88	36.65	40.15	88.4	0
2/5/19 4:00	1.005	43.84	34.14	3.114	38.48	38.2	38.97	88.9	0
2/5/19 5:00	0.524	41.86	53.17	1.74	39.06	38.35	39.51	87.5	0
2/5/19 6:00	0.774	357.6	48.1	2.244	41.24	39.33	42.69	83.1	0
2/5/19 7:00	1.043	10.19	40.71	2.885	40.82	39.86	42	84.2	0
2/5/19 8:00	0.971	25.54	51.19	2.565	40.38	39.36	41.26	85.1	0
2/5/19 9:00	0.628	359	64.01	2.061	43.19	41.27	46.26	81.3	0
2/5/19 10:00	1.343	35.61	71.28	3.847	49.74	46.29	54.38	69.9	0
2/5/19 11:00	3.426	318.2	23.4	6.778	57.82	54.37	62.49	53.46	0
2/5/19 12:00	5.592	300.9	26.38	10.76	63.57	62.02	64.88	52.99	0
2/5/19 13:00	9.12	319.8	17.57	16.08	65.32	64.54	66.25	54.82	0
2/5/19 14:00	8	321.5	23.74	17.63	67.19	65.85	69.21	51.83	0
2/5/19 15:00	7.358	318.4	25.73	14.89	68.8	68.26	70.15	49.62	0
2/5/19 16:00	6.806	326.1	19.87	12.69	68.46	67.97	69.04	50.35	0
2/5/19 17:00	7.059	329.5	15.32	14.93	67.03	66.13	68.2	52.74	0
2/5/19 18:00	4.52	333.4	20.9	10.35	64.58	62.82	66.28	56.45	0
2/5/19 19:00	1.976	351.3	26.48	4.214	62.42	61.98	62.82	59.78	0
2/5/19 20:00	2.306	349.2	27.46	4.259	60.39	56.1	62.35	63.27	0
2/5/19 21:00	1.826	18.53	40.85	3.756	56.04	54.58	57.88	72.87	0
2/5/19 22:00	1.527	316.5	77.88	2.611	53.61	51.37	56.54	77.81	0
2/5/19 23:00	0.474	125.7	50.58	2.198	51.26	49.32	52.71	82.9	0
2/6/19 0:00	0.841	28.42	22.7	3.343	47.28	44.99	49.79	90.7	0
2/6/19 1:00	1.388	24.28	20.58	3.618	44.15	42.71	45.54	95.9	0
2/6/19 2:00	0.533	22.55	22.93	3.389	42.29	40.62	43.23	98.1	0
2/6/19 3:00	1.388	26.41	14.73	4.58	40.81	38.74	42.46	98.7	0
2/6/19 4:00	1.437	19.95	29.59	5.588	40.13	38.92	41.16	99.3	0
2/6/19 5:00	1.486	51.66	30.4	4.901	41.05	38.13	44.38	98.9	0
2/6/19 6:00	1.086	19.3	33.72	3.206	40.61	39.32	41.64	99.2	0
2/6/19 7:00	1.987	38.27	22.04	5.13	38.63	35.83	41.24	99.5	0

2/6/2019 8:00	2.247	59.97	26.58	6.229	41.54	38.85	44.02	96.3	0
2/6/2019 9:00	4.818	106.7	23.09	13.47	46.15	44.02	47.81	83.6	0
2/6/2019 10:00	5.359	128.5	29.42	13.19	48.88	47.77	50.04	75.44	0
2/6/2019 11:00	5.16	128.5	33.92	12.69	50.19	49.42	52.18	71.49	0
2/6/2019 12:00	4.915	125.7	25.74	9.76	52.26	51.56	53.04	66.82	0
2/6/2019 13:00	4.736	129.3	27.65	10.63	52.17	51.81	52.61	65.91	0
2/6/2019 14:00	4.693	123	24.88	9.98	51.77	51.48	52.16	66.14	0
2/6/2019 15:00	5.436	118.2	20.96	11.31	50.72	50.11	51.6	68.24	0
2/6/2019 16:00	5.618	126.9	23.09	11.86	49.79	49.6	50.15	70.47	0
2/6/2019 17:00	4.884	136.2	20.87	12.18	49.93	49.6	50.22	72.4	0
2/6/2019 18:00	2.872	109.8	21.35	6.733	48.51	47.38	49.68	82.7	0.04
2/6/2019 19:00	3.088	74.13	29.83	6	46.47	46.1	47.48	94.6	0.05
2/6/2019 20:00	2.861	113.9	19.66	5.954	46.42	46.07	46.79	96.3	0
2/6/2019 21:00	2.824	105.7	26.67	6.046	46.8	46.68	46.94	97	0.02
2/6/2019 22:00	2.692	31.43	15.68	5.084	46.29	45.68	46.87	98.7	0.01
2/6/2019 23:00	2.321	36.22	17.84	4.992	45.22	44.73	45.68	99.6	0
2/7/2019 0:00	3.526	18.79	19.26	6.824	44.25	43.94	44.75	99.8	0
2/7/2019 1:00	3.284	22.12	18.28	7.191	43.95	43.9	44.06	99.6	0
2/7/2019 2:00	1.719	17.42	25.49	5.175	44	43.94	44.13	99.5	0
2/7/2019 3:00	2.541	7.285	29.83	7.099	43.76	43.65	44.03	100	0
2/7/2019 4:00	2.233	3.116	21.99	4.855	43.69	43.58	43.84	99.9	0
2/7/2019 5:00	2.464	13.82	28.71	5.908	43.62	43.47	43.79	98.5	0
2/7/2019 6:00	2.139	40	58.48	4.488	43.33	43	43.55	97.9	0
2/7/2019 7:00	1.04	44.29	65.69	2.473	42.87	42.53	43.08	98.3	0
2/7/2019 8:00	1.748	32.39	45.46	4.03	42.71	42.24	43.11	98.9	0
2/7/2019 9:00	1.971	55.06	30.43	5.359	43.57	43.07	44.23	96.9	0
2/7/2019 10:00	1.784	59.73	67.91	7.374	45.36	44.16	46.84	91.8	0
2/7/2019 11:00	2.79	125.4	33.49	6.412	47.55	46.61	50.05	88.5	0
2/7/2019 12:00	3.505	113.6	30.43	7.878	50.83	49.86	52.68	80.3	0
2/7/2019 13:00	3.067	100.7	40.21	7.74	52.37	51.88	53.08	77.48	0
2/7/2019 14:00	4.184	124.2	32.37	9.07	53.02	52.35	53.54	75.92	0
2/7/2019 15:00	4.174	122.4	41.61	10.12	54.27	52.67	55.71	73.2	0
2/7/2019 16:00	3.665	162.1	33.25	9.57	54.3	53.72	54.95	72.97	0
2/7/2019 17:00	3.193	142.9	28.46	9.62	54.06	53.72	54.34	73.8	0
2/7/2019 18:00	3.81	145.3	30.98	8.43	52.92	52.28	53.75	78.34	0
2/7/2019 19:00	4.198	143.4	25.68	10.44	51.75	50.83	52.28	81.1	0
2/7/2019 20:00	4.185	159	25.8	10.44	50.23	49.68	50.84	92.2	0
2/7/2019 21:00	3.793	167.3	24.7	10.95	49.57	49.46	49.75	99.1	0
2/7/2019 22:00	2.879	162.7	24.72	9.3	49.32	48.95	49.58	100	0
2/7/2019 23:00	2.37	144.6	22	5.725	48.8	48.7	49.03	100	0
2/8/2019 0:00	2.401	106.1	38.28	5.175	48.67	48.56	48.78	100	0
2/8/2019 1:00	2.829	98.4	22.22	5.862	48.17	47.8	48.63	100	0
2/8/2019 2:00	4.174	62.36	29.44	11.63	46.89	44.15	47.81	100	0

2/8/2019 3:00	4.675	45.48	19.41	10.72	43.2	42.89	44.13	100	0
2/8/2019 4:00	3.104	82.2	47.86	7.191	42.97	42.89	43.11	100	0
2/8/2019 5:00	2.506	159.2	36.65	5.45	43.15	43.04	43.29	100	0.01
2/8/2019 6:00	2.969	180.4	20.96	6.046	43.41	43.14	43.77	100	0
2/8/2019 7:00	1.351	174.4	46.55	4.259	43.87	43.76	44.01	100	0
2/8/2019 8:00	2.165	189.2	30.59	7.786	44.06	43.69	44.56	100	0
2/8/2019 9:00	2.983	283.8	38.63	9.98	44.94	44.52	45.54	100	0.01
2/8/2019 10:00	4.724	319.7	20.05	11.18	47.04	45.53	48.46	99.9	0
2/8/2019 11:00	8.92	310.6	13.96	19.47	51.56	48.46	53.47	76.32	0
2/8/2019 12:00	13.99	310	17.79	27.02	54.22	53.39	55.52	47.12	0
2/8/2019 13:00	13.31	306.5	19.91	26.06	54.52	52.99	55.91	41.66	0
2/8/2019 14:00	16.93	315.8	14.45	31.37	51.97	51.16	53.26	39.79	0
2/8/2019 15:00	16.61	314.9	15.17	29.68	50.88	50.11	52.29	34.55	0
2/8/2019 16:00	14.27	313.9	15.4	28.3	48.43	47.12	50.23	32.01	0
2/8/2019 17:00	13.74	316.2	13.31	28.85	46.16	45.6	47.14	31.85	0
2/8/2019 18:00	14.04	317.4	13.62	27.71	43.91	42.61	45.64	33.87	0
2/8/2019 19:00	14.35	316.6	12.77	28.4	41.41	40.22	42.83	34.98	0
2/8/2019 20:00	11.23	307.7	14.96	20.43	39	37.62	40.23	39.07	0
2/8/2019 21:00	10.44	297.5	14.93	20.43	36.72	35.68	37.75	41.75	0
2/8/2019 22:00	8.02	293.3	22.36	17.68	34.98	34.19	35.67	42.88	0
2/8/2019 23:00	7.92	315.8	14.79	15.66	33.58	32.35	34.4	42.13	0
2/9/2019 0:00	13.76	330.6	10.65	22.9	31.86	31.05	32.46	43.21	0
2/9/2019 1:00	12.5	324.7	12.52	22.4	31.06	30.69	31.35	43.85	0
2/9/2019 2:00	13.63	324.2	15.17	26.88	30.24	29.68	30.82	42.63	0
2/9/2019 3:00	11.24	331.5	16	22.95	29.05	28.27	29.72	44.22	0
2/9/2019 4:00	12.94	330.1	15.47	23.27	27.67	27.04	28.3	44.04	0
2/9/2019 5:00	12.57	335.1	17.36	24.92	26.68	26.32	27.1	44.74	0
2/9/2019 6:00	15.21	333.4	16.52	24.78	25.8	25.31	26.37	44.02	0
2/9/2019 7:00	9.52	334.5	23.32	21.25	24.88	24.59	25.38	46.16	0
2/9/2019 8:00	11.08	334	15.98	23.31	24.33	24.19	24.69	45	0
2/9/2019 9:00	9.92	343	24.39	21.39	24.21	23.79	24.63	43.71	0
2/9/2019 10:00	11.81	342.3	21	23.04	24.75	24.37	25.27	42.3	0
2/9/2019 11:00	11.5	340.7	20.51	21.48	25.86	24.66	26.98	41.58	0
2/9/2019 12:00	10.58	329.5	21.14	18.05	27.41	26.43	28.25	39.42	0
2/9/2019 13:00	9.16	337.2	25.12	19.79	29.23	28.07	30.22	37.58	0
2/9/2019 14:00	8.67	334.5	23.11	17.36	30.99	29.93	32.25	35.09	0
2/9/2019 15:00	9.53	327.4	19.45	22.17	31.72	30.66	32.43	33.96	0
2/9/2019 16:00	9.02	323.6	19.51	16.81	32.19	31.81	32.69	32.49	0
2/9/2019 17:00	9.02	323.6	15.77	15.85	31.88	31.34	32.35	32.11	0
2/9/2019 18:00	6.418	324.3	11.7	12.6	30.37	29.21	31.41	35.69	0
2/9/2019 19:00	4.788	323.7	10.22	9.85	28.99	28.27	29.69	39.18	0
2/9/2019 20:00	1.692	355	34.4	5.633	28.48	27.88	28.81	40.57	0
2/9/2019 21:00	1.536	357.6	16.49	4.534	27.71	27.01	28.6	42.03	0

2/9/2019 22:00	1.634	5.099	13.72	4.626	26.51	25.96	27.27	46.3	0
2/9/2019 23:00	1.829	31.5	37.46	4.397	24.57	22.53	26.19	57.74	0
2/10/2019 0:00	1.894	28.21	29.12	5.359	23.68	22.82	24.42	59.66	0
2/10/2019 1:00	1.676	6.213	34.35	3.481	22.66	21.16	23.59	59.86	0
2/10/2019 2:00	1.393	316.8	22.44	2.84	21.74	20.98	22.26	59.7	0
2/10/2019 3:00	1.017	356	24.67	2.885	21.75	20.19	22.3	62.13	0
2/10/2019 4:00	1.178	22.88	11.15	3.069	19.43	18.95	20.22	72.6	0
2/10/2019 5:00	0.559	44.26	34.96	2.244	17.95	17.07	19.26	85	0
2/10/2019 6:00	0.515	19.41	8.48	2.29	17.24	16.68	17.77	89.1	0
2/10/2019 7:00	1.193	32.53	6.447	2.885	17.19	16.64	17.51	87.3	0
2/10/2019 8:00	0.196	22.86	4.2	1.328	18.46	16.17	21.85	85.8	0
2/10/2019 9:00	0.753	133.6	33.83	5.267	25.83	21.88	28.57	63.79	0
2/10/2019 10:00	3.218	171.7	35.41	8.24	29.24	27.91	30.96	43.79	0
2/10/2019 11:00	6.273	202.5	22.22	13.14	31.3	30.58	32.11	39.33	0
2/10/2019 12:00	5.152	203	26.32	10.53	32.77	31.36	35.11	39.25	0
2/10/2019 13:00	5.088	200.9	24.05	10.63	34.11	33.47	35.54	37.85	0
2/10/2019 14:00	4.115	219.7	40.63	9.62	35.55	34.78	36.52	36.92	0
2/10/2019 15:00	3.953	186.4	34.01	9.16	36.53	35.89	37.14	36.82	0
2/10/2019 16:00	3.964	198.8	28.3	10.03	36.36	35.78	37.04	37.17	0
2/10/2019 17:00	3.27	180.1	28.08	7.465	36.25	35.89	36.81	38.19	0
2/10/2019 18:00	1.769	141	22.25	4.901	35.64	35.46	35.96	40.31	0
2/10/2019 19:00	1.486	128	19.62	3.847	35.34	35.28	35.48	41.46	0
2/10/2019 20:00	1.063	124.4	20.7	4.626	35.18	35.06	35.35	42.82	0
2/10/2019 21:00	2.705	122.5	25.87	6.916	33.69	33.26	35.16	51.91	0
2/10/2019 22:00	2.391	52.51	32.08	6.595	32.81	31.41	33.56	58.51	0
2/10/2019 23:00	2.436	60.85	45.33	6	29.65	28.63	31.47	86.8	0
2/11/2019 0:00	1.725	115.5	31.83	3.71	28.84	28.6	29.31	96.3	0
2/11/2019 1:00	1.389	70.24	33.17	2.931	29.75	29.25	30.15	97.5	0
2/11/2019 2:00	1.684	49.34	17.2	3.343	30.38	30.08	30.65	98.3	0
2/11/2019 3:00	2.366	54.84	23.53	4.397	30.55	30.44	30.64	98.7	0
2/11/2019 4:00	1.975	96	17.08	3.572	30.84	30.58	31.16	98.9	0
2/11/2019 5:00	2.452	107.6	15.48	5.13	31.14	31.05	31.3	98.9	0
2/11/2019 6:00	1.663	97.9	17.97	4.672	31.32	31.13	31.52	98.4	0
2/11/2019 7:00	1.454	118.3	22.58	3.756	31.53	31.45	31.67	98.2	0
2/11/2019 8:00	1.317	116.6	18.31	3.618	31.72	31.56	31.92	98.4	0.05
2/11/2019 9:00	1.627	100.3	16.71	4.03	31.91	31.78	32.07	98.1	0.03
2/11/2019 10:00	1.251	100.6	15.54	3.16	32.23	31.96	32.42	97.5	0.07
2/11/2019 11:00	0.733	84.2	8.87	3.71	32.46	32.35	32.61	97.4	0.09
2/11/2019 12:00	1.64	106.3	14.28	3.893	32.54	32.39	32.75	97.4	0.05
2/11/2019 13:00	0.869	104.9	11.07	4.03	32.6	32.46	32.82	97.4	0.06
2/11/2019 14:00	2.222	81.8	22.26	4.809	32.74	32.64	32.97	97.6	0.08
2/11/2019 15:00	2.453	88.7	20.88	6.366	32.87	32.75	33.12	97.3	0.08
2/11/2019 16:00	2.509	93	19.55	6.046	32.87	32.79	32.99	96.9	0.07

2/11/2019 17:00	3.448	77.75	18.5	7.603	32.57	32.42	32.85	97.3	0.08
2/11/2019 18:00	3.442	86.4	17.24	6.733	32.37	32.32	32.52	97.2	0.02
2/11/2019 19:00	3.425	80.1	20.82	9.25	32.26	32.07	32.39	96.8	0.01
2/11/2019 20:00	3.315	83.5	19.75	7.878	31.96	31.85	32.18	96.8	0
2/11/2019 21:00	3.843	73.55	20.68	8.98	31.77	31.56	31.99	97.7	0
2/11/2019 22:00	4.179	83.6	20.74	8.84	31.61	31.56	31.7	98	0
2/11/2019 23:00	3.832	79.81	18.67	9.21	31.57	31.52	31.66	97.9	0
2/12/2019 0:00	3.719	79.56	20.34	7.878	31.53	31.49	31.6	98.5	0
2/12/2019 1:00	4.49	91	21.31	9.43	31.53	31.45	31.63	98.2	0
2/12/2019 2:00	3.907	87.6	20.84	9.25	31.68	31.52	31.88	98.4	0
2/12/2019 3:00	4.067	92.5	21.92	10.53	31.86	31.78	31.96	97.9	0
2/12/2019 4:00	4.521	97.3	22.1	9.71	31.83	31.81	31.92	97.6	0
2/12/2019 5:00	4.428	96.4	23.8	12	31.76	31.56	31.92	97.9	0
2/12/2019 6:00	4.343	101.4	25.79	10.99	31.51	31.45	31.6	97.8	0
2/12/2019 7:00	3.636	102.8	21.02	8.89	31.61	31.52	31.84	97.5	0
2/12/2019 8:00	3.023	105.8	20.21	5.908	31.97	31.81	32.32	98.1	0
2/12/2019 9:00	2.775	107.9	25.77	7.74	32.42	32.28	32.61	97.9	0
2/12/2019 10:00	2.98	103	27.29	8.56	32.67	32.46	32.93	97.9	0.06
2/12/2019 11:00	2.212	78.77	26.58	4.351	32.82	32.79	32.9	97.9	0.29
2/12/2019 12:00	2.473	69.61	33.92	5.404	32.92	32.82	33.04	98.3	0.09
2/12/2019 13:00	5.323	92.3	20.06	12.64	33.14	32.97	33.37	98.3	0.06
2/12/2019 14:00	5.295	92.2	25.4	12.41	33.55	33.33	33.88	98.3	0.11
2/12/2019 15:00	5.063	98.3	24.2	10.76	34.19	33.83	34.62	98.4	0.06
2/12/2019 16:00	3.597	73.6	33.96	7.328	34.65	34.56	34.78	98.2	0.03
2/12/2019 17:00	3.422	68.31	27.01	9.16	34.53	34.41	34.7	99	0
2/12/2019 18:00	2.326	2.664	31.56	4.809	34.35	34.23	34.49	99.7	0.03
2/12/2019 19:00	2.899	356	39.87	6.549	34.15	34.05	34.31	100	0.03
2/12/2019 20:00	2.512	7.667	22.76	5.313	33.91	33.73	34.2	100	0
2/12/2019 21:00	2.894	3.533	33.71	5.862	33.75	33.65	33.87	100	0
2/12/2019 22:00	0.8	61.09	52.41	3.252	33.82	33.73	33.94	100	0.02
2/12/2019 23:00	1.037	318.2	81	3.481	33.78	33.72	33.91	100	0.01
2/13/2019 0:00	1.678	278.6	33.45	4.397	34.29	33.83	34.59	100	0
2/13/2019 1:00	3	269.8	25.17	7.053	34.63	34.56	34.81	100	0
2/13/2019 2:00	4.572	292.1	21.11	8.98	34.53	34.41	34.71	100	0
2/13/2019 3:00	5.382	285.8	22.23	10.17	34.32	34.24	34.45	100	0
2/13/2019 4:00	4.465	291.5	15.16	9.43	34.43	34.23	34.68	100	0.01
2/13/2019 5:00	5.208	292.5	12.67	9.89	34.86	34.56	35.33	98.5	0
2/13/2019 6:00	7.454	307	10.73	12.87	35.79	34.86	37.37	85.2	0
2/13/2019 7:00	7.911	308.4	12.47	15.25	37.21	36.72	37.84	61.49	0
2/13/2019 8:00	7.706	292.1	12.88	15.25	37.1	36.55	37.48	56.68	0
2/13/2019 9:00	7.523	287.7	15.26	16.67	38.5	37.3	40.15	54.55	0
2/13/2019 10:00	12.65	292.2	19.38	23.36	40.12	39.83	40.49	50.11	0
2/13/2019 11:00	11	285.4	19.89	19.01	41.36	40.33	42.47	48.51	0

2/13/2019 12:00	8.82	269.7	23.99	17.08	41.52	41.13	42.46	47.8	0
2/13/2019 13:00	9.59	289.6	20.89	17.54	41.97	41.6	42.58	47.5	0
2/13/2019 14:00	11.21	288.1	21.24	20.93	43.86	42.07	45.11	44.27	0
2/13/2019 15:00	12.56	311.1	15.38	23.13	43.51	42.79	45.09	43.09	0
2/13/2019 16:00	11.62	311.5	16.99	20.43	42.82	42.15	43.41	44.76	0
2/13/2019 17:00	11.67	306.6	14.29	23.08	42.19	41.27	43.14	42.83	0
2/13/2019 18:00	8.1	305.9	13.5	14.98	40.3	39.32	41.28	44.97	0
2/13/2019 19:00	9.18	312.6	12.3	18.5	38.78	37.55	39.86	46.29	0
2/13/2019 20:00	8.33	318.6	10.24	14.75	36.74	36.04	37.66	50.58	0
2/13/2019 21:00	6.52	305.4	12.72	14.11	35.86	35.1	36.54	51.03	0
2/13/2019 22:00	3.581	290.9	13.74	7.236	34.43	34.12	35.43	54.17	0
2/13/2019 23:00	2.442	263.9	23.62	6.549	33.9	33.26	34.46	55.15	0
2/14/2019 0:00	4.397	283	31.86	14.29	34.2	32.75	36.05	54.09	0
2/14/2019 1:00	10.94	310.4	11.64	19.83	36.91	36.05	37.49	47.04	0
2/14/2019 2:00	9.09	293.2	17.36	21.94	37.12	36.58	37.77	46.53	0
2/14/2019 3:00	6.125	266.6	21.61	11.5	36.42	35.67	37.05	47.83	0
2/14/2019 4:00	5.518	253.7	47.31	14.01	36.12	35.71	36.48	47.42	0
2/14/2019 5:00	3.059	290.9	47.78	6.091	34.55	32.32	36.01	50.33	0
2/14/2019 6:00	1.88	197.4	79.95	5.588	31.87	30.62	33.25	58.4	0
2/14/2019 7:00	1.824	24.07	73.73	4.901	30.81	29.57	33.77	63.22	0
2/14/2019 8:00	1.18	6.095	68.93	3.023	30.24	28.78	33.92	67.22	0
2/14/2019 9:00	1.271	194	45.34	3.756	37.75	33.96	41.13	52.81	0
2/14/2019 10:00	2.961	293.6	54.71	7.236	42.23	40.52	44.03	40	0
2/14/2019 11:00	3.175	269.5	35.46	6.916	43.98	43.8	44.32	35.28	0
2/14/2019 12:00	3.38	245.3	26.51	7.374	44.19	43.76	44.92	35.88	0
2/14/2019 13:00	4.53	239.6	29.7	9.76	44.91	44.01	46.87	35.05	0
2/14/2019 14:00	4.588	236.3	28.15	9.07	47.5	46.81	48.02	31.37	0
2/14/2019 15:00	4.595	211.4	36.22	9.48	49.27	47.73	50.67	27.16	0
2/14/2019 16:00	4.647	183.2	28.47	10.81	51.35	50.65	52.07	25.44	0
2/14/2019 17:00	3.739	170	24.93	11.77	49.96	49.61	50.88	30.8	0
2/14/2019 18:00	2.311	154.8	20.66	6.595	49.32	48.67	49.83	29.89	0
2/14/2019 19:00	2.993	165.4	21.6	8.56	48.31	48.06	48.72	32.79	0
2/14/2019 20:00	3.14	143.5	22.48	9.53	47.53	46.08	48.24	34.99	0
2/14/2019 21:00	4.209	140	19.19	8.61	45.2	44.55	46.04	44.05	0
2/14/2019 22:00	4.046	140	22.27	9.3	44.54	44.23	44.74	46.69	0
2/14/2019 23:00	4.056	153.9	27.89	8.89	44.45	44.26	44.67	47.01	0
2/15/2019 0:00	4.978	162.9	24.49	12.18	45.26	44.52	46.93	47.32	0
2/15/2019 1:00	7.053	181.8	21.55	16.63	47.79	46.93	48.3	45.29	0
2/15/2019 2:00	7.966	187.6	19.62	18.55	48.46	48.13	48.78	45.61	0
2/15/2019 3:00	8.94	190.9	19.89	18.69	48.65	48.31	48.89	46.82	0
2/15/2019 4:00	9.51	190.3	19.4	21.21	49.21	48.77	50.12	46.37	0
2/15/2019 5:00	8.57	193.8	18.18	16.4	49.75	49.28	50.3	46.55	0
2/15/2019 6:00	8.86	196.4	16.55	18	49.67	49.24	50	46.74	0

2/15/2019 7:00	8.04	196.7	16.3	15.8	50.17	49.75	50.88	44.92	0
2/15/2019 8:00	9.26	199.6	15.69	16.21	51.59	50.83	52.09	41.71	0
2/15/2019 9:00	9.12	203.4	18.73	16.26	52.53	52.02	53.1	41.04	0
2/15/2019 10:00	8.88	198.3	17.48	15.8	54.02	53.07	55.79	39.88	0
2/15/2019 11:00	9.31	212.8	22.35	17.86	58.06	55.78	60.3	35.16	0
2/15/2019 12:00	11.16	209.5	19.84	20.61	60.86	59.1	62.46	34.02	0
2/15/2019 13:00	12.39	214.2	23.52	27.21	63.88	62.23	64.94	34.01	0
2/15/2019 14:00	12.86	214.6	20.52	24.59	64.7	64	65.56	35.1	0
2/15/2019 15:00	11.53	212.8	20.5	22.17	63.89	63.5	64.16	36.99	0
2/15/2019 16:00	10.52	212.4	18.78	22.03	62.95	62.49	63.62	38.38	0
2/15/2019 17:00	9.07	210.5	19.49	19.56	61.98	61.4	62.57	40.98	0
2/15/2019 18:00	7.867	220.4	21.07	19.01	60.75	59.97	61.55	44.35	0
2/15/2019 19:00	6.549	227.8	20.91	17.86	59.91	59.67	60.25	46.91	0
2/15/2019 20:00	6.635	283.4	34.38	13.14	58.94	57.75	59.79	49.47	0
2/15/2019 21:00	10.98	318.1	13.31	21.3	56.79	55.23	57.98	47.73	0
2/15/2019 22:00	13.74	322.6	12.94	22.99	53.62	52.06	55.28	31.86	0
2/15/2019 23:00	10.67	330.7	14.98	18.96	50.79	49.13	52.11	21.85	0
2/16/2019 0:00	12.57	335.1	14.34	24.46	48.34	46.97	49.22	22.99	0
2/16/2019 1:00	11.48	342.2	18.49	23.22	45.7	44.63	46.98	29.48	0
2/16/2019 2:00	9.81	340.6	18.08	19.47	44.06	43.58	44.64	30.2	0
2/16/2019 3:00	10.56	331.9	15.68	20.98	42.76	41.88	43.65	31.42	0
2/16/2019 4:00	10.55	332.8	14.26	18.41	41.08	40.22	42.03	31.21	0
2/16/2019 5:00	8.47	335.3	15.5	15.94	39.7	39	40.29	33.95	0
2/16/2019 6:00	7.204	341.1	19.2	15.43	38.24	37.55	39	36.45	0
2/16/2019 7:00	7.823	335.4	17.17	17.4	36.77	36.07	37.62	38.63	0
2/16/2019 8:00	6.915	337	15.59	13.88	35.87	35.63	36.16	41.55	0
2/16/2019 9:00	9.13	328.8	15	15.71	35.55	35.17	36.24	42.62	0
2/16/2019 10:00	7.52	345.3	21.01	16.35	35.51	35.13	35.97	44.73	0
2/16/2019 11:00	7.311	350.2	24.86	15.11	36.31	35.35	37.6	45.33	0
2/16/2019 12:00	5.841	7.838	29.87	12.14	37.48	36.68	38.35	46.02	0
2/16/2019 13:00	6.04	5.813	35.97	11.82	38.97	37.91	41.1	44.92	0
2/16/2019 14:00	6.4	0.791	28.71	14.47	41.45	40.33	42.57	41.97	0
2/16/2019 15:00	7.651	352.2	28.27	15.57	42.34	41.34	43.33	40.44	0
2/16/2019 16:00	6.533	8.46	29.78	13.97	43.11	42.57	43.59	40.62	0
2/16/2019 17:00	6.704	17.82	22.5	16.95	42.52	41.77	43.05	42.01	0
2/16/2019 18:00	4.163	6.625	21.27	10.08	40.5	38.71	42.07	44.81	0
2/16/2019 19:00	2.805	356.8	16.25	7.374	37.98	37.15	38.74	47.8	0
2/16/2019 20:00	2.37	4.636	21.58	5.496	36.33	34.66	37.24	48.96	0
2/16/2019 21:00	2.054	338.9	22.44	4.763	34.13	33.11	34.73	53.12	0
2/16/2019 22:00	2.809	349.5	15.54	5.496	33.04	31.63	34.27	55.21	0
2/16/2019 23:00	2.607	346.7	14.58	4.992	32.12	31.49	32.86	57.47	0
2/17/2019 0:00	2.465	348.6	15.38	4.626	31.24	30.55	31.74	59.67	0
2/17/2019 1:00	2.333	349.9	16.62	5.038	30.68	30.19	31.13	61.02	0

2/17/2019 2:00	2.246	355.4	16.17	5.221	30.1	29.62	30.7	62.68	0
2/17/2019 3:00	2.742	4.069	22.73	7.374	30.13	29.61	30.62	62.8	0
2/17/2019 4:00	2.442	21.08	20.37	6.229	29.87	29.21	30.22	63.22	0
2/17/2019 5:00	1.533	41.87	24.83	4.076	28.78	28.06	29.28	65.11	0
2/17/2019 6:00	1.027	347.9	25.47	2.473	27.48	26.97	28.2	68.32	0
2/17/2019 7:00	1.121	8.07	22.04	2.473	26.21	25.02	27.05	75.25	0
2/17/2019 8:00	0.577	31.14	38.91	2.198	26.76	25.89	28.82	73.05	0
2/17/2019 9:00	2.804	103.9	40.63	7.923	30.31	28.85	31.24	63.72	0
2/17/2019 10:00	3.873	118.5	37.19	9.02	31.98	30.94	34.06	57.66	0
2/17/2019 11:00	3.985	162.6	47.89	10.4	33.29	32.35	33.92	56.09	0
2/17/2019 12:00	2.787	153.1	38.18	6.87	34.09	33.4	34.64	54.32	0
2/17/2019 13:00	2.732	176.6	49.88	6.962	34.67	34.23	35.29	52.7	0
2/17/2019 14:00	3.515	145	39.13	9.71	35.58	35.13	36.54	51.15	0
2/17/2019 15:00	4.836	171.7	30.99	10.17	37.25	35.96	38.33	47.71	0
2/17/2019 16:00	5.063	159.6	28.79	11.77	37.79	37.37	38.45	48.16	0
2/17/2019 17:00	3.968	150.2	27.7	9.76	36.96	36.5	37.47	50.95	0
2/17/2019 18:00	4.268	146.1	24.31	9.89	35.13	33.83	36.58	63.94	0
2/17/2019 19:00	4.843	153.5	27.12	11.91	33.52	32.46	33.87	75.71	0.03
2/17/2019 20:00	4.457	157	25.7	12.46	32.34	32.1	32.54	88.1	0.03
2/17/2019 21:00	2.26	144.3	23.49	5.908	32.42	32.32	32.54	91.6	0.01
2/17/2019 22:00	2.094	145.5	28	7.832	32.47	32.35	32.71	95.6	0.05
2/17/2019 23:00	4.117	166.1	21.63	8.98	32.79	32.5	33.04	97.7	0.08
2/18/2019 0:00	6.101	184.2	56.46	18	33.69	33	34.49	98.6	0.07
2/18/2019 1:00	4.512	188.2	26.69	10.99	34.68	34.41	34.99	98.1	0.01
2/18/2019 2:00	5.199	197.2	30.9	13.79	35.39	34.88	35.7	98.6	0.08
2/18/2019 3:00	3.663	196.3	26.13	10.58	35.8	35.64	36.07	98.7	0.07
2/18/2019 4:00	2.828	295.1	72.4	9.25	35.98	35.82	36.23	99.3	0.05
2/18/2019 5:00	3.437	269.9	37.76	10.17	36.36	36.22	36.5	98.8	0.02
2/18/2019 6:00	1.525	283.7	44.45	5.084	36.26	35.96	36.51	98.1	0
2/18/2019 7:00	2.645	307.5	13.37	5.679	35.96	35.61	36.11	97.9	0
2/18/2019 8:00	2.064	283.7	42.97	5.771	36.2	35.82	37.08	97.5	0
2/18/2019 9:00	7.38	312.2	14.74	14.93	40.37	37.08	41.93	83.9	0
2/18/2019 10:00	9.33	308.3	12.04	18.59	42.35	41.7	43	71.36	0
2/18/2019 11:00	15.68	308.9	13.37	28.9	44.28	42.93	45.97	59.82	0
2/18/2019 12:00	19.04	312.6	15.66	39.2	45.71	45.1	46.59	51.36	0
2/18/2019 13:00	19.07	318.3	16.15	32.29	44.48	43.51	45.47	47.92	0
2/18/2019 14:00	18.84	318.4	15.24	33.3	44.02	43.47	44.71	46.95	0
2/18/2019 15:00	12.65	322.6	17.54	25.28	42.6	41.56	44.12	51.99	0
2/18/2019 16:00	15.72	308.3	13.23	27.39	42.29	41.86	42.57	47.82	0
2/18/2019 17:00	14.85	305	13.46	26.61	41.18	40.8	41.86	48.58	0
2/18/2019 18:00	13.25	325.6	15.51	25.74	39.63	38.92	40.83	51.03	0
2/18/2019 19:00	11.23	332.1	14.24	20.66	38.42	37.88	38.96	50.61	0
2/18/2019 20:00	9.98	334.8	17.24	22.81	37.5	37.08	37.98	49.54	0

2/18/2019 21:00	10.52	332.1	16.25	21.25	36.63	36.29	37.12	51.5	0
2/18/2019 22:00	9.02	331.4	17.57	19.24	35.8	35.02	36.33	53.11	0
2/18/2019 23:00	10.01	333	17.85	24.46	34.37	33.69	35.13	53.21	0
2/19/2019 0:00	11.04	329.8	12.81	20.88	33.21	32.71	33.75	56.08	0
2/19/2019 1:00	8.29	336.5	13.83	19.28	32.01	31.13	32.74	58.15	0
2/19/2019 2:00	8.92	334.6	14.94	16.95	30.87	30.26	31.32	58.3	0
2/19/2019 3:00	6.861	337.9	17.9	14.47	29.88	29.4	30.46	57.85	0
2/19/2019 4:00	8.69	335.2	16.57	17.27	29.08	28.63	29.68	58.43	0
2/19/2019 5:00	8.43	325.9	13.58	17.22	27.85	27.01	28.67	56.13	0
2/19/2019 6:00	6.805	328.8	15.35	13.79	26.78	26.21	27.33	57.77	0
2/19/2019 7:00	6.934	333.8	13.17	13.88	25.81	25.24	26.47	57.63	0
2/19/2019 8:00	6.383	328.3	15.14	13.19	25.99	25.2	26.82	54.34	0
2/19/2019 9:00	9.03	331.1	14.97	17.08	27.45	26.79	28.28	47.62	0
2/19/2019 10:00	7.973	338.9	21.87	15.16	29.26	28.09	30.56	38.69	0
2/19/2019 11:00	6.002	339.8	34.53	13.05	31.53	30.15	32.98	33.19	0
2/19/2019 12:00	7.404	337.1	36.57	15.16	34.12	33.01	35.35	28.23	0
2/19/2019 13:00	8.92	334.8	23.7	16.21	35.44	34.78	36.01	26.91	0
2/19/2019 14:00	6.272	331.4	30.15	14.93	36.71	35.53	37.6	25.66	0
2/19/2019 15:00	6.399	2.234	26.96	12.18	37.4	36.91	38.29	22.67	0
2/19/2019 16:00	6.277	348.2	23.64	12.82	37.69	37.16	38.33	23.43	0
2/19/2019 17:00	4.433	338	22.8	9.94	37.24	36.69	37.89	25.77	0
2/19/2019 18:00	2.177	9.1	24.89	5.817	36.11	35.11	36.7	27.43	0
2/19/2019 19:00	1.343	32.28	35.97	4.259	34.75	34.09	35.27	29.55	0
2/19/2019 20:00	1.211	15.36	20.45	2.977	33.65	32.72	34.24	31.6	0
2/19/2019 21:00	1.322	30.14	24.06	2.977	32.76	32.1	33.48	37.11	0
2/19/2019 22:00	1.402	40.38	26.1	3.069	31.86	31.09	32.72	44.29	0
2/19/2019 23:00	1.28	43.02	23.96	2.519	31.43	30.8	31.9	50.05	0
2/20/2019 0:00	1.179	126	31.42	3.069	31.61	30.69	32.15	44.2	0
2/20/2019 1:00	1.654	82.9	22.25	3.939	32.04	31.67	32.38	41.76	0
2/20/2019 2:00	2.676	121.4	21.56	5.954	32.35	32.17	32.54	43.4	0
2/20/2019 3:00	3.053	114.4	17.84	7.465	32.42	32.32	32.57	41.98	0
2/20/2019 4:00	3.085	123.5	23.05	8.24	32.21	31.99	32.4	48.65	0
2/20/2019 5:00	3.676	128	22.66	8.47	31.99	31.93	32.07	47.64	0
2/20/2019 6:00	3.501	137.8	26.98	8.56	31.88	31.78	31.99	47.37	0
2/20/2019 7:00	4.403	151.5	26.46	10.12	28.88	27.05	31.88	80.5	0
2/20/2019 8:00	4.612	119.7	21.19	10.26	26.92	26.83	27.08	98.3	0
2/20/2019 9:00	4.69	121.3	28.12	10.72	26.79	26.61	27.02	98.7	0
2/20/2019 10:00	3.969	134.2	25.71	10.26	27.04	26.86	27.28	98.6	0
2/20/2019 11:00	3.925	104.7	32.28	10.03	27.36	27.15	27.73	98.7	0
2/20/2019 12:00	3.915	111	29.12	10.63	27.9	27.7	28.38	98.8	0
2/20/2019 13:00	5.226	131.3	25.39	11.5	28.6	28.2	29.04	99.2	0
2/20/2019 14:00	4.83	134.4	28.63	11.86	29.21	28.92	29.72	99.8	0
2/20/2019 15:00	3.909	148.4	27.35	9.25	29.73	29.5	30.15	100	0

2/20/2019 16:00	2.971	136.7	33.73	8.24	30.26	30.05	30.69	100	0
2/20/2019 17:00	2.685	124.4	22.93	7.328	30.54	30.44	30.69	100	0
2/20/2019 18:00	1.752	117.1	20.62	6.091	30.56	30.48	30.65	100	0
2/20/2019 19:00	0.997	91.2	33.26	3.893	30.64	30.55	30.88	100	0
2/20/2019 20:00	1.946	89	60.05	6.412	30.98	30.8	31.09	100	0
2/20/2019 21:00	2.093	68.05	44.47	8.56	31.13	30.98	31.31	100	0
2/20/2019 22:00	0.775	65.19	32.74	3.71	31.26	31.2	31.38	100	0
2/20/2019 23:00	1.453	12.43	58.26	4.855	31.32	31.23	31.45	100	0
2/21/2019 0:00	2.993	0.992	38.9	7.236	31.39	31.34	31.49	100	0
2/21/2019 1:00	1.673	11.16	29.57	4.626	31.39	31.38	31.48	100	0
2/21/2019 2:00	0.499	13.22	36.15	3.114	31.44	31.38	31.53	100	0
2/21/2019 3:00	0.158	189.9	13.09	1.603	31.49	31.45	31.6	100	0
2/21/2019 4:00	1.376	227.1	38.03	3.435	31.65	31.52	31.85	100	0
2/21/2019 5:00	2.322	240.1	30.61	4.351	31.77	31.7	31.85	100	0
2/21/2019 6:00	2.227	276.4	59.88	5.404	31.66	31.57	31.78	100	0
2/21/2019 7:00	1.892	306.5	46.94	4.855	31.53	31.45	31.64	100	0
2/21/2019 8:00	2.217	297.7	52.34	5.679	31.5	31.45	31.64	100	0
2/21/2019 9:00	2.752	217.9	26.71	7.191	31.91	31.57	32.13	100	0
2/21/2019 10:00	2.699	294.5	28.55	5.359	32.8	31.99	34.38	100	0
2/21/2019 11:00	4.882	319.7	11.54	8.84	37.78	34.42	39.8	96.1	0.26
2/21/2019 12:00	3.476	295.1	19.73	8.84	42.76	39.79	44.78	82.5	0.14
2/21/2019 13:00	6.587	317.9	14.21	13.42	46.45	44.73	47.92	70.46	0
2/21/2019 14:00	7.607	322.4	14.5	17.54	50.56	47.96	52.09	54.7	0
2/21/2019 15:00	9.81	327.4	13.82	19.51	53.01	52.08	53.66	42.82	0
2/21/2019 16:00	7.64	323.2	16	14.75	54.46	53.47	55.43	38.94	0
2/21/2019 17:00	8.15	332	15.13	15.85	54.87	54.12	55.6	32.78	0
2/21/2019 18:00	7.332	331.2	10.68	13.19	53.14	52.13	54.37	34.31	0
2/21/2019 19:00	4.604	326.5	25.38	11.91	51.53	50.83	52.54	36.97	0
2/21/2019 20:00	2.829	35.41	94.4	8.06	51.15	49.25	52.04	35.96	0
2/21/2019 21:00	3.259	345.4	47.9	7.465	49.33	48.89	49.82	37.53	0
2/21/2019 22:00	3.561	335.1	16.27	7.878	48.43	47.87	49.33	37.37	0
2/21/2019 23:00	2.808	310	29.28	7.099	47.2	46.36	47.96	40.09	0
2/22/2019 0:00	2.954	340.8	17.26	6.091	47.16	46.36	47.76	39.28	0
2/22/2019 1:00	4.091	337.1	15.69	8.11	46.88	45.97	47.48	40.92	0
2/22/2019 2:00	2.076	350.8	33.51	6.046	46.26	45.56	47.09	41.78	0
2/22/2019 3:00	1.13	269.5	81.8	2.748	44.92	44.34	45.57	46.49	0
2/22/2019 4:00	2.297	356.1	13.21	5.038	45.19	44.52	45.61	44.36	0
2/22/2019 5:00	2.028	350.8	26.1	4.992	44.05	42.53	45.2	48.26	0
2/22/2019 6:00	2.411	7.066	30.11	5.45	43.83	43.07	44.23	44.66	0
2/22/2019 7:00	1.773	11.74	24.48	6.183	43.07	42.46	44.06	45.35	0
2/22/2019 8:00	1.241	358.8	15.41	4.214	42.52	42.24	42.75	46.79	0
2/22/2019 9:00	1.921	352.3	25.57	4.534	42.58	42.06	42.83	48.56	0
2/22/2019 10:00	3.309	2.253	23.36	7.374	43.08	42.6	43.51	48.8	0

2/22/2019 11:00	3.977	5.515	24.75	8.38	43.18	43.04	43.48	50.1	0
2/22/2019 12:00	2.457	22.07	26.92	6.549	43.78	43.4	44.49	50.35	0
2/22/2019 13:00	3.319	343.3	30.6	7.832	44.77	44.3	45.3	48.7	0
2/22/2019 14:00	3.149	348.9	33.43	7.007	45.22	44.81	45.79	47.73	0
2/22/2019 15:00	2.709	353.1	42.73	6.687	45.58	45.35	45.85	47.39	0
2/22/2019 16:00	4.053	305.5	23.09	7.832	45.1	44.88	45.6	52.16	0
2/22/2019 17:00	3.242	322.2	18.48	5.588	44.52	43.98	44.96	54.02	0
2/22/2019 18:00	2.956	336.9	15.27	5.175	43.64	43.11	44.16	54.94	0
2/22/2019 19:00	1.238	8.68	41.52	4.946	42.71	41.88	43.44	54.95	0
2/22/2019 20:00	0.743	347.6	46.36	2.656	41.38	40.94	41.93	58.16	0
2/22/2019 21:00	2.285	29	7.771	3.618	40.61	39.87	41.43	59.9	0
2/22/2019 22:00	1.44	31.5	29.06	3.985	39.07	38.31	39.95	66.6	0
2/22/2019 23:00	2.055	38.13	20.7	3.618	38.38	37.48	39.18	70.58	0
2/23/2019 0:00	1.214	46.02	55.9	4.03	36.99	36.04	37.6	73.61	0
2/23/2019 1:00	2.447	25.84	20.87	3.939	36.09	34.59	37.56	79.77	0
2/23/2019 2:00	1.526	34	26.68	3.252	36.05	34.81	37.05	73.42	0
2/23/2019 3:00	0.89	58.7	41.04	2.611	36	35.13	37.12	70.9	0
2/23/2019 4:00	1.598	42.01	42.92	4.672	35.1	34.12	36.34	76.79	0
2/23/2019 5:00	2.389	55.07	43.98	5.679	35.61	34.38	36.64	72.78	0
2/23/2019 6:00	4.079	83.7	23.67	8.02	36.53	36.18	36.76	64.92	0
2/23/2019 7:00	2.985	91.7	30.66	7.145	36.18	35.93	36.53	65.55	0
2/23/2019 8:00	4.246	94.3	20.38	10.17	36.13	36.03	36.28	65.49	0
2/23/2019 9:00	3.76	111.4	26.45	8.93	36.8	36.22	37.36	61.7	0
2/23/2019 10:00	3.716	115.1	29.2	9.21	37.31	37.12	37.62	59.88	0
2/23/2019 11:00	3.43	108.9	30.39	7.649	37.66	37.44	38.01	60.27	0
2/23/2019 12:00	3.291	127.1	25.19	8.11	37.94	37.59	38.36	64.39	0
2/23/2019 13:00	3.065	143.9	27.94	7.465	38.03	37.55	38.45	72.11	0
2/23/2019 14:00	3.009	123.5	28.17	6.687	37.25	36.94	37.63	78.59	0
2/23/2019 15:00	2.606	63.87	21.13	5.542	36.82	36.58	37.06	86.1	0.02
2/23/2019 16:00	3.42	87	23.88	7.878	36.42	36.11	36.69	92.7	0.01
2/23/2019 17:00	4.505	83.6	50.23	10.17	35.76	35.57	36.18	94.7	0
2/23/2019 18:00	2.823	22.96	31.69	7.694	35.3	35.06	35.68	96.9	0.02
2/23/2019 19:00	3.412	25.44	24.81	6.916	35.13	35.1	35.24	99.3	0.01
2/23/2019 20:00	3.043	51.47	32.83	6.046	35.26	35.17	35.36	99.5	0.01
2/23/2019 21:00	2.862	53.69	34.46	7.603	35.81	35.35	36.14	99.5	0
2/23/2019 22:00	2.565	79.58	38.45	7.511	36.43	36.07	36.57	99.2	0
2/23/2019 23:00	1.938	74.48	37.27	4.946	36.41	36.11	36.61	99.4	0.01
2/24/2019 0:00	2.166	77.1	20.56	7.282	36.03	35.96	36.19	99.7	0
2/24/2019 1:00	2.227	35.74	28.6	6.778	35.86	35.57	36.08	99.8	0.01
2/24/2019 2:00	3.138	8.5	70.81	8.43	35.61	35.53	35.94	100	0
2/24/2019 3:00	3.322	44.09	50.38	8.2	35.66	35.31	36.03	100	0.08
2/24/2019 4:00	2.851	104.5	69.46	7.007	35.49	35.35	35.64	100	0.13
2/24/2019 5:00	3.497	257.9	40	7.328	35.91	35.6	36.08	100	0.13

2/24/2019 6:00	2.434	312.1	15.35	5.45	35.98	35.93	36.11	100	0.05
2/24/2019 7:00	1.341	196.2	61.17	4.534	36.06	36	36.22	100	0.11
2/24/2019 8:00	2.333	185.3	49.56	8.93	36.19	36.25	36.39	100	0.03
2/24/2019 9:00	3.432	193	23.63	8.24	36.45	36.25	36.88	100	0.11
2/24/2019 10:00	6.815	185.9	22.69	15.34	38.18	36.87	39.15	99.4	0
2/24/2019 11:00	8.89	203.2	19.54	19.51	39.81	39.12	40.73	97.1	0
2/24/2019 12:00	10.46	201.5	17.81	19.28	41.88	40.66	43.09	94.9	0
2/24/2019 13:00	9.67	201.9	16.21	20.2	44.17	43.08	45.14	92.2	0
2/24/2019 14:00	7.753	210.7	21.24	14.29	47.29	45.06	49.69	86.4	0
2/24/2019 15:00	6.633	238.8	30.11	13.51	51.17	49.07	52.86	77.96	0
2/24/2019 16:00	4.774	238	28.96	11.13	52.9	50.72	55.07	79.22	0
2/24/2019 17:00	5.454	245.1	22.55	10.67	55.26	54.73	55.78	72.54	0
2/24/2019 18:00	13.28	285.9	19.95	32.24	56.33	54.8	57.56	52.66	0.01
2/24/2019 19:00	15.79	304.7	12.88	31.14	52.11	50.11	54.78	39.61	0
2/24/2019 20:00	18.85	289.8	17.35	40.03	48.92	47.76	50.12	38.35	0
2/24/2019 21:00	18.29	290.8	14.96	33.57	46.96	46	47.88	36.42	0
2/24/2019 22:00	13.46	290.4	15.39	26.56	45.29	44.55	46.08	33.47	0
2/24/2019 23:00	11.05	277.6	18.45	27.21	44.33	43.76	45.02	32.32	0
2/25/2019 0:00	10.53	270.5	18.88	24.37	43.59	43.15	44.42	31.42	0
2/25/2019 1:00	12.45	277.6	19.27	29.5	43.17	42.28	43.97	30.37	0
2/25/2019 2:00	14.78	289	17.72	30.46	42.42	41.79	43.05	28.43	0
2/25/2019 3:00	15.43	291.1	18.2	29.91	40.98	40.15	42	28.49	0
2/25/2019 4:00	15.07	300.8	15.35	35.04	39.61	38.93	40.23	27.85	0
2/25/2019 5:00	17.05	296.8	17.07	32.7	38.41	37.88	39.15	26.51	0
2/25/2019 6:00	17.31	292.4	15.38	35.13	37.98	37.45	38.31	25.35	0
2/25/2019 7:00	16.79	300.8	15.26	31.88	37.28	36.98	37.6	25.45	0
2/25/2019 8:00	18.61	299.7	15.89	41.08	37.46	37.3	37.66	23.2	0
2/25/2019 9:00	17.88	303.2	16.11	36.96	37.78	37.45	38.14	22.93	0
2/25/2019 10:00	21.71	306.1	15.25	37.33	37.86	37.41	38.61	21.93	0
2/25/2019 11:00	20.63	306	14.62	38.61	39.12	38.35	40.34	21.18	0
2/25/2019 12:00	17.2	300.2	15.22	30.41	40.76	40.19	41.61	21.08	0
2/25/2019 13:00	19.03	312.6	15.54	33.94	42.03	40.84	43.59	18.68	0
2/25/2019 14:00	18.19	299.3	17.27	30.96	43.39	42.68	44.23	17.17	0
2/25/2019 15:00	16.67	305.6	17.37	31.6	44.68	43.47	45.9	15.54	0
2/25/2019 16:00	16.93	306.1	14.79	32.15	45.28	44.88	46.05	15.8	0
2/25/2019 17:00	16.74	311.5	14.5	31.14	44.47	44.09	45.43	16.39	0
2/25/2019 18:00	14.13	306.1	11.92	29.31	43.08	41.81	44.19	17.02	0
2/25/2019 19:00	9.46	300.9	13.06	17.5	41.33	40.92	42.04	19.97	0
2/25/2019 20:00	5.378	320.3	13.48	14.38	39.65	38.35	41.13	19.78	0
2/25/2019 21:00	7.417	307.7	14.8	16.08	38.59	37.78	39.14	21.15	0
2/25/2019 22:00	7.319	305.3	11.63	13.97	37.82	36.62	38.82	21.73	0
2/25/2019 23:00	5.05	306.2	9.94	8.43	35.7	35.1	36.98	24.91	0
2/26/2019 0:00	3.626	334.9	53.77	6.962	34.53	33.29	35.29	26.44	0

2/26/2019 1:00	0.315	42.29	25.83	2.336	32.42	31.81	33.66	31.34	0
2/26/2019 2:00	1.914	29.5	49.02	4.259	31.15	28.42	33.73	33.95	0
2/26/2019 3:00	1.167	123.5	60.98	3.939	29.79	28.28	32.37	36.49	0
2/26/2019 4:00	2.928	17.97	17.7	5.679	31.25	29.68	33.05	37.22	0
2/26/2019 5:00	2.502	21.02	13.35	5.588	30.37	29.54	30.86	39.48	0
2/26/2019 6:00	0.859	23.38	10.93	2.84	30.02	29.64	30.47	37.09	0
2/26/2019 7:00	2.42	1.848	9.88	3.664	29.37	28.35	30.22	37.83	0
2/26/2019 8:00	2.285	5.533	10.17	3.71	29.78	29	30.63	39.06	0
2/26/2019 9:00	2.472	340.9	15.86	6.504	31.79	29.18	34.05	40.12	0
2/26/2019 10:00	5.246	330.4	18.1	10.95	36.38	34.06	39.04	29.09	0
2/26/2019 11:00	7.205	285.7	20.82	13.37	40.2	38.86	42.37	25.1	0
2/26/2019 12:00	7.856	301	22.85	13.14	43.34	41.75	45.58	24.37	0
2/26/2019 13:00	7.791	272.8	29.46	16.81	47.02	45.17	48.79	23.16	0
2/26/2019 14:00	8.85	287.9	27.45	15.62	48.48	47.3	50.23	22.73	0
2/26/2019 15:00	6.613	309	47.57	14.38	50.34	49.1	52.11	22.4	0
2/26/2019 16:00	6.568	19.62	27.41	14.15	49.36	48.2	51.6	24.15	0
2/26/2019 17:00	6.679	353.6	22.15	11.91	48.19	47.62	49.19	24.17	0
2/26/2019 18:00	4.297	0.95	21.12	10.49	46.43	45.03	47.81	26.7	0
2/26/2019 19:00	4.459	16.02	21.85	11.45	43.18	41.49	45.04	32.17	0
2/26/2019 20:00	3.512	28.98	20.63	8.61	40.54	39.4	41.56	36.94	0
2/26/2019 21:00	3.637	32.47	20.29	9.57	38.52	37.52	39.4	42.42	0
2/26/2019 22:00	2.914	38.34	21.54	7.236	36.83	35.93	37.58	47.48	0
2/26/2019 23:00	2.176	37.4	23.28	6.733	35.3	34.3	36	51.39	0
2/27/2019 0:00	2.215	25.73	16.89	4.305	33.31	32	34.31	56.58	0
2/27/2019 1:00	2.124	24.46	22.93	4.305	31.57	30.55	32.57	60.34	0
2/27/2019 2:00	1.922	23.19	19.39	6.595	29.96	28.82	30.69	65.2	0
2/27/2019 3:00	1.987	32.47	21.74	4.443	29.78	28.96	30.22	61.7	0
2/27/2019 4:00	1.5	50.42	21.91	4.168	29.31	28.97	29.61	61.77	0
2/27/2019 5:00	1.462	46.85	16.52	3.71	28.85	28.42	29.27	61.16	0
2/27/2019 6:00	2.045	20.42	17.59	3.572	27.13	26.14	28.52	71.32	0
2/27/2019 7:00	1.877	55.56	26.44	4.672	27.39	26.87	27.76	65.85	0
2/27/2019 8:00	3.278	105.7	23.88	9.02	28.77	27.73	29.66	62.57	0
2/27/2019 9:00	5.463	104.2	26.18	14.01	30.6	29.65	31.52	57.87	0
2/27/2019 10:00	6.148	111.8	30.62	12.09	32.18	31.02	33.39	55.36	0
2/27/2019 11:00	5.144	133.1	30.57	15.53	34.17	33.01	34.96	53.68	0
2/27/2019 12:00	5.492	145.2	35.42	12.87	35.24	34.27	36.37	53.33	0
2/27/2019 13:00	5.084	155.6	34.4	11.86	35.35	34.63	36.05	54.89	0
2/27/2019 14:00	4.881	153.5	29	12.64	34.86	34.52	35.56	56.64	0
2/27/2019 15:00	5.377	150.9	28.82	11.77	34.81	34.41	35.4	60.7	0
2/27/2019 16:00	4.912	147.6	33.69	12.09	35.39	34.92	35.98	60.93	0
2/27/2019 17:00	4.15	168.9	28.74	11.36	35.89	35.5	36.16	64.35	0
2/27/2019 18:00	3.172	138	24.42	8.61	35.9	35.68	36.07	65.62	0
2/27/2019 19:00	3.503	142.5	20.07	8.11	36.08	35.96	36.22	66.84	0

