

TOA5	BCV Met	CR6	8361	CR6.Std.07.02 CR6-WIFI.04	CPU:Big_Chino_Valley_MET-6-12-2018.cr6	62337	Hourly											
TIMESTAMP	RECORD	BattV_Min	PTemp_C	WindSpd_Max	WindSpd_avg	WindDir_avg	WD_StdDev	Rain_Tot	rain_today	rain_this_month	AirTemp_Avg	AirTemp_Max	AirTemp_Min	RH	RH_Max	RH_Min	BP_Corrected_To_Sea_Level_mbar	BP_Corrected_To_Sea_Level_mbar
TS	RN	Volts	Deg C	m/s	m/s	Deg	Deg	inch	inch	inch	C	C	C	%	%	%	mBar	mBar
		Min	Smp	Max	WVc	WVc	WVc	Tot	Smp	Smp	Avg	Max	Min	Smp	Max	Min	Smp	Avg
6/14/2018 16:00	0	13.38	37.26	5.618666	3.791	263.5	9.45	0	0	0	34.18	34.31	33.78	8.78	9.05	8.78	769.2501	717.077
6/13/2018 16:00	1	13.33	38.07	11.13933	5.438	210	22.88	0.09999999	0.09999999	0.09999999	33.95	34.66	33.49	8.76	8.97	7.59	1016.649	1016.726
6/13/2018 17:00	2	13.33	37.68	10.25733	4.757	215.2	22.65	0	0.09999999	0.09999999	33.56	34.28	32.71	9.41	9.74	8.43	1016.313	1016.529
6/13/2018 18:00	3	13.3	36.71	8.656667	4.945	228.2	17.64	0	0.09999999	0.09999999	32.75	33.79	31.6	11.3	11.49	9.34	1016.137	1016.191
6/13/2018 19:00	4	13.25	33.58	8.460667	4.936	239.4	12.05	0	0.09999999	0.09999999	30.75	32	30.17	12.53	12.68	11.16	1016.285	1016.204
6/13/2018 20:00	5	13.14	30.93	6.86	3.427	239.1	11.46	0	0.09999999	0.09999999	29.08	30.27	27.95	15.52	15.69	12.53	1016.55	1016.444
6/13/2018 21:00	6	13.13	28.03	4.214	1.446	261	28.17	0	0.09999999	0.09999999	26.85	28.26	26	16.87	16.9	15.32	1016.807	1016.649
6/13/2018 22:00	7	13.13	25.2	1.437333	0.285	5.64	23.02	0	0.09999999	0.09999999	24.52	26.18	23.19	19.15	19.29	16.49	1017.282	1017.077
6/13/2018 23:00	8	13.06	24.03	2.809333	0.637	15.39	40.25	0	0.09999999	0.09999999	23.52	25.54	22.02	19.54	20.27	16.61	1017.246	1017.248
6/14/2018 0:00	9	13.05	22.52	1.862	0.554	36.33	32.08	0	0.09999999	0.09999999	21.96	23.71	20.32	21.88	21.99	18.17	1017.204	1017.208
6/14/2018 1:00	10	13.03	21.51	1.731333	0.543	34.64	26.34	0	0	0	20.82	21.95	20.06	21.3	22.54	20.25	1016.937	1017.083
6/14/2018 2:00	11	13.01	20.99	3.43	1.061	67.45	21.72	0	0	0	19.96	20.97	18.95	23.44	23.57	21.29	1016.679	1016.776
6/14/2018 3:00	12	13.01	19.92	1.731333	0.446	56.38	5.954	0	0	0	19.15	20.32	18.37	24.09	24.36	21.74	1016.609	1016.621
6/14/2018 4:00	13	13.01	19.32	2.286667	0.733	37.66	25.83	0	0	0	18.49	19.15	17.97	23.7	24.71	23.3	1016.772	1016.621
6/14/2018 5:00	14	13.01	19.71	3.756666	1.428	88.9	15.42	0	0	0	19.16	20.58	18.3	23.18	24.58	21.81	1016.977	1016.88
6/14/2018 6:00	15	13	19.26	1.862	0.877	51.12	49.65	0	0	0	18.51	19.61	16.8	26.58	26.69	22.92	1017.376	1017.14
6/14/2018 7:00	16	13.05	19.7	2.025333	0.626	306	31.46	0	0	0	17.7	18.81	16.86	26.17	26.66	24.48	1017.925	1017.626
6/14/2018 8:00	17	13.33	24.1	2.646	0.549	241.8	54.21	0	0	0	20.75	24.43	17.06	17.92	26.54	17.65	1018.131	1018.042
6/14/2018 9:00	18	13.52	28.88	3.789333	1.701	123.4	26.83	0	0	0	25.93	27.28	24.23	15.04	18.02	14.99	1018.01	1018.131
6/14/2018 10:00	19	13.42	32.84	7.480667	2.665	147.7	48.54	0	0	0	29.55	31.07	27.23	14.22	15.6	12.65	1017.757	1017.778
6/14/2018 11:00	20	13.4	33.98	11.69467	5.941	235.7	18.88	0	0	0	30.87	31.73	30.03	15.4	16.4	13.11	1017.56	1017.605
6/14/2018 12:00	21	13.4	34.94	12.054	7.664	242.2	13.88	0	0	0	31.42	32.99	30.43	15.91	16.3	14.29	1017.538	1017.606
6/14/2018 13:00	22	13.37	33.81	10.878	5.959	214.7	25.95	0	0	0	30.59	31.47	29.71	17.41	17.62	15.33	1017.625	1017.512
6/14/2018 14:00	23	13.38	32.99	9.538667	4.752	208.3	20.22	0	0	0	29.75	30.55	29.25	15.26	18.13	15.13	1017.042	1017.401
6/14/2018 15:00	24	13.44	33.09	9.898	5.043	226.4	17.64	0	0	0	30.02	30.37	29.71	14.5	15.79	13.76	1016.502	1016.874
6/14/2018 16:00	25	13.38	33.69	9.571333	5.352	245.4	14.66	0	0	0	30.54	31.24	29.84	15.06	15.82	14.09	1015.808	1016.088
6/14/2018 17:00	26	13.38	34.98	10.682	6.248	242.1	13.9	0	0	0	31.39	32.02	30.56	14.22	15.5	13.37	1015.105	1015.419
6/14/2018 18:00	27	13.36	34.35	11.53133	6.076	238.6	14.89	0	0	0	30.93	31.99	30.1	15.13	15.42	14.09	1014.73	1014.884
6/14/2018 19:00	28	13.33	32.99	8.754666	4.996	233.5	12.51	0	0	0	30.1	30.98	29.32	15.46	15.66	14.61	1015.032	1014.815
6/14/2018 20:00	29	13.18	29.87	6.925333	3.264	238.2	10.9	0	0	0	28.09	29.45	26.71	17.47	17.56	15.39	1015.207	1015.115
6/14/2018 21:00	30	13.13	26.13	2.286667	0.487	252.7	70.33	0	0	0	25.13	26.81	23.65	20.67	20.79	17.47	1015.544	1015.367
6/14/2018 22:00	31	13.12	23.9	1.96	0.197	48	9.6	0	0	0	22.69	23.91	21.82	23	23.03	20.52	1015.995	1015.786
6/14/2018 23:00	32	13.05	23.35	2.286667	0.66	49.19	17.77	0	0	0	22.44	23.85	21.37	22.23	23.69	20.32	1015.918	1015.926
6/15/2018 0:00	33	13.02	22.58	2.254	0.313	45.04	13.65	0	0	0	22.03	22.66	21.69	24.17	24.62	22.21	1015.833	1015.913
6/15/2018 1:00	34	13.01	22.01	2.286667	0.606	50.49	15.9	0	0	0	21.64	22.85	20.45	21.36	25.77	21.36	1015.617	1015.747
6/15/2018 2:00	35	13.01	22.03	2.678667	0.878	348.4	34.15	0	0	0	22.37	23.85	21.5	19.87	21.31	17.85	1015.578	1015.588
6/15/2018 3:00	36	13	21.09	1.927333	0.692	7.109	18.47	0	0	0	21	22.45	19.74	22.4	23.11	19.74	1015.408	1015.459
6/15/2018 4:00	37	12.98	20.36	3.005333	1.283	65.38	18.37	0	0	0	19.59	20.5	18.43	24.53	24.83	22.34	1015.519	1015.497
6/15/2018 5:00	38	12.98	19.2	1.992667	0.511	70.53	21.07	0	0	0	18.16	19.89	17.26	26.57	27.92	24.09	1015.674	1015.543
6/15/2018 6:00	39	12.97	19.61	2.254	1.086	73.11	16.28	0	0	0	19.01	20.21	17.91	24.35	27.12	23.89	1016.25	1015.974
6/15/2018 7:00	40	13.1	23.03	3.724	1.213	87.7	31.1	0	0	0	21.71	22.91	20	20.69	24.35	20.13	1016.358	1016.159
6/15/2018 8:00	41	13.52	26.15	4.769333	2.572	110.9	17.07	0	0	0	23.27	24.07	22.34	20.85	21.2	19.41	1016.665	1016.536
6/15/2018 9:00	42	13.52	28.65	4.41	2.489	129.3	24.99	0	0	0	25.09	26.65	23.65	20.66	21.75	19.55	1016.749	1016.783
6/15/2018 10:00	43	13.43	30.48	8.591332	3.77	236.1	41.49	0	0	0	26.95	27.95	26.19	19.5	21.18	19.03	1016.535	1016.629

6/15/2018 11:00	44	13.44	32.35	10.094	5.405	236.4	17.91	0	0	0	28.11	29.31	27.3	17.81	20.18	17.47	1016.375	1016.523
6/15/2018 12:00	45	13.41	32.99	10.35533	5.932	237.4	16.36	0	0	0	28.89	30.15	27.95	17.47	18.36	16.3	1016.201	1016.237
6/15/2018 13:00	46	13.39	33.58	9.408	5.636	245.6	16.2	0	0	0	29.18	30.28	28.28	18.38	18.79	16.76	1015.654	1015.809
6/15/2018 14:00	47	13.4	31.1	10.192	5.385	230.5	18.38	0	0	0	27.63	28.92	26.58	21.31	22.18	18.32	1015.494	1015.66
6/15/2018 15:00	48	13.45	30.73	9.571333	5.42	235.9	13.85	0	0	0	27.13	27.48	26.45	22.61	22.78	20.72	1015.447	1015.505
6/15/2018 16:00	49	13.46	29.25	10.06133	6.173	241.4	12.5	0	0	0	25.82	26.59	25.08	27.17	27.24	22.61	1015.015	1015.149
6/15/2018 17:00	50	13.48	27.31	9.767333	4.842	234.3	14.14	0	0	0	23.95	25.22	23.19	38.3	38.46	27.23	1015.388	1015.228
6/15/2018 18:00	51	13.52	26.72	6.696667	2.384	235.3	28.96	0	0	0	23.15	23.54	22.54	40.93	41.12	37.59	1014.873	1015.052
6/15/2018 19:00	52	13.29	25.09	5.651333	2.078	255.8	29.57	0	0	0	22.15	22.71	21.88	38.56	43.32	37.39	1014.396	1014.657
6/15/2018 20:00	53	13.18	24.76	7.676667	4.241	240.7	11.8	0	0	0	22.41	22.97	21.89	46.64	46.77	37.45	1014.015	1014.236
6/15/2018 21:00	54	13.13	23.08	6.827333	2.892	260.7	38.65	0	0	0	20.89	21.99	20.06	54.91	54.96	46.64	1014.038	1014.03
6/15/2018 22:00	55	13.13	21.42	2.188667	0.905	355.1	59.62	0	0	0	19.78	20.2	19.15	55.1	55.76	54.64	1014.389	1014.217
6/15/2018 23:00	56	13.05	20.6	3.234	1.679	104.7	11.72	0	0	0	18.73	19.23	18.49	52.69	55.37	52.3	1014.342	1014.453
6/16/2018 0:00	57	13.02	20.77	4.214	2.549	101	11.48	0	0	0	18.7	18.89	18.62	53.08	53.34	52.42	1014.125	1014.3
6/16/2018 1:00	58	13.01	20.77	3.462667	1.938	103.7	12.67	0	0	0	18.76	18.94	18.69	53.73	53.96	53.01	1013.932	1014.025
6/16/2018 2:00	59	13	20.63	3.234	1.723	106.3	12.32	0	0	0	18.63	18.86	18.5	55.1	55.23	53.66	1013.467	1013.688
6/16/2018 3:00	60	12.98	20.51	3.201333	1.233	136.2	41.49	0	0	0	18.62	18.8	18.5	53.39	55.66	52.88	1013.317	1013.405
6/16/2018 4:00	61	12.98	20.34	2.319333	0.524	276.8	47.19	0	0	0	18.61	19.01	18.43	54.44	54.47	52.16	1013.112	1013.243
6/16/2018 5:00	62	12.95	19.89	2.188667	0.508	345.6	59.33	0	0	0	18.11	18.6	17.78	56.2	58.17	54.25	1013.008	1013.062
6/16/2018 6:00	63	12.95	19.75	3.070667	1.285	108	15.68	0	0	0	17.82	18.24	17.45	56.08	56.33	53.14	1013.194	1013.041
6/16/2018 7:00	64	12.95	19.93	2.842	1.526	105.1	11.87	0	0	0	17.73	17.88	17.58	59.46	59.53	56.01	1013.521	1013.295
6/16/2018 8:00	65	13.13	20.39	4.736666	2.263	121.4	15.14	0	0	0	17.89	18.23	17.65	65.13	65.13	59.07	1013.851	1013.691
6/16/2018 9:00	66	13.53	21.43	5.194	2.827	129.2	15.97	0	0	0	18.05	18.56	17.58	62.32	66.16	61.93	1013.912	1013.933
6/16/2018 10:00	67	13.52	20.53	5.618666	3.008	119	16.21	0	0	0	17.65	18.44	17.19	73.88	76.01	62.26	1013.924	1013.94
6/16/2018 11:00	68	13.58	21.95	5.88	3.368	119.6	17.41	0	0	0	18.39	18.94	17.52	72.88	74.05	67.15	1013.881	1013.934
6/16/2018 12:00	69	13.58	20.64	6.566	3.251	124.1	15.56	0	0	0	17.38	18.23	16.67	87.4	87.5	72.94	1013.896	1013.899
6/16/2018 13:00	70	13.56	19.43	5.128666	2.441	110.2	17.62	0.17	0.17	0.17	16.57	16.79	16.47	89.8	93.4	86.3	1013.971	1013.854
6/16/2018 14:00	71	13.56	19.94	2.123333	0.671	102.3	47.42	0.08	0.25	0.25	17.12	18.24	16.47	83.2	93.8	78.09	1013.844	1013.904
6/16/2018 15:00	72	13.57	22.09	5.488	1.819	246.1	24.57	0	0.25	0.25	19.02	19.86	18.17	65	90.1	63.9	1013.859	1013.923
6/16/2018 16:00	73	13.56	23.43	7.056	3.955	243.2	15.93	0	0.25	0.25	20.19	20.57	19.6	59.73	67.68	56.86	1013.534	1013.626
6/16/2018 17:00	74	13.56	24.42	7.676667	3.841	227.1	16.94	0	0.25	0.25	20.65	21.2	20.25	58.62	61.1	53.48	1013.423	1013.551
6/16/2018 18:00	75	13.56	23.91	7.056	3.714	231.9	14.19	0	0.25	0.25	20.36	20.94	19.93	55.17	59.34	51.78	1013.373	1013.379
6/16/2018 19:00	76	13.37	23.34	5.194	2.685	209.4	17.78	0	0.25	0.25	20.46	21.21	19.74	53.66	58.1	49.38	1013.484	1013.432
6/16/2018 20:00	77	13.21	21.18	4.573333	2.173	170.8	43.48	0	0.25	0.25	18.98	19.93	17.39	76.79	76.79	53.8	1013.819	1013.655
6/16/2018 21:00	78	13.14	18.79	5.324667	2.769	111.6	13.24	0	0.25	0.25	16.56	17.42	15.95	83.7	83.9	76.85	1014.294	1014.017
6/16/2018 22:00	79	13.13	17.83	4.181334	2.304	106.4	10.4	0	0.25	0.25	15.85	16.11	15.69	87.3	87.5	83.2	1014.717	1014.578
6/16/2018 23:00	80	13.09	17.24	3.593333	2.084	107.6	11.16	0	0.25	0.25	15.47	16	14.97	91.2	91.3	86.8	1014.593	1014.64
6/17/2018 0:00	81	13.05	16.95	3.724	2.32	107.7	10.69	0	0.25	0.25	14.91	15.08	14.65	94	94	91.2	1014.856	1014.72
6/17/2018 1:00	82	13.02	16.6	4.246666	2.506	114.9	12.21	0	0	0.25	14.5	14.81	14.38	96.1	96.5	94	1014.723	1014.734
6/17/2018 2:00	83	12.98	16.82	4.148666	2.048	113.5	12.37	0	0	0.25	14.64	14.9	14.38	95.9	96.1	95.1	1014.934	1014.838
6/17/2018 3:00	84	12.97	16.69	4.050666	2.226	114.1	13.17	0	0	0.25	14.24	14.5	13.8	97.9	98	95.9	1014.897	1014.954
6/17/2018 4:00	85	12.93	15.98	3.724	1.878	123.4	15.31	0	0	0.25	13.43	13.94	13.27	98.3	98.5	97.5	1015.087	1014.928
6/17/2018 5:00	86	12.93	15.63	4.377333	2.228	117	13.28	0	0	0.25	13.18	13.4	13.01	98.4	98.7	98.3	1014.909	1015.037
6/17/2018 6:00	87	12.94	15.79	6.435333	3.555	111.4	13.31	0	0	0.25	13.58	13.85	13.21	96.4	98.5	95.3	1015.204	1014.982
6/17/2018 7:00	88	12.98	15.75	6.108666	3.273	110.2	12.43	0	0	0.25	13.4	13.72	13.27	96.2	97.1	96.1	1015.722	1015.512
6/17/2018 8:00	89	13.39	17.49	6.533333	3.782	117.5	15.74	0	0	0.25	14.72	15.99	13.67	76	96.2	73.72	1016.17	1015.93
6/17/2018 9:00	90	13.59	20.43	9.081333	4.711	127.7	16.02	0	0	0.25	17.48	18.59	15.75	38.94	75.89	38.55	1016.077	1016.126
6/17/2018 10:00	91	13.58	22.8	8.82	4.781	134.3	18.4	0	0	0.25	19.71	20.72	18.37	36.41	40.5	34.97	1015.854	1015.985
6/17/2018 11:00	92	13.54	25.13	10.25733	4.706	148.1	24.82	0	0	0.25	22.1	23.46	20.65	31.46	36.93	28.99	1015.55	1015.731
6/17/2018 12:00	93	13.53	26.6	9.571333	5.014	161.3	22.27	0	0	0.25	23.53	24.41	22.87	27.62	32.96	26.45	1015.334	1015.589
6/17/2018 13:00	94	13.52	27.88	11.82533	5.509	150.9	23.24	0	0	0.25	24.82	25.87	23.78	23.64	28.01	22.54	1015.12	1015.166
6/17/2018 14:00	95	13.48	28.93	10.29	5.631	173.7	25.51	0	0	0.25	25.69	26.46	24.95	20.78	24.9	19.88	1015.109	1015.069

6/17/2018 15:00	96	13.45	29.78	10.388	5.525	171.9	22.41	0	0	0.25	26.29	27.04	25.67	19.05	22.69	16.94	1015.108	1015.145
6/17/2018 16:00	97	13.45	29.94	10.35533	5.602	175	19.9	0	0	0.25	26.17	26.65	25.61	17.01	19.36	15.58	1014.781	1014.964
6/17/2018 17:00	98	13.46	29.57	10.584	5.575	164	18.2	0	0	0.25	25.77	26.55	25.34	18.31	18.33	14.73	1014.808	1014.774
6/17/2018 18:00	99	13.47	28.84	9.636666	5.167	175.2	22.45	0	0	0.25	25.19	25.93	24.76	21.37	21.41	16.81	1014.939	1014.843
6/17/2018 19:00	100	13.41	27.36	8.852667	4.526	167	18.26	0	0	0.25	24.1	24.83	23.45	22.34	23.95	21.24	1014.849	1014.986
6/17/2018 20:00	101	13.21	24.66	7.774667	3.355	173.4	17.94	0	0	0.25	22.42	23.55	21.11	25.34	25.86	21.89	1015.26	1015.087
6/17/2018 21:00	102	13.14	22.26	5.88	2.516	159	25.83	0	0	0.25	20.61	21.37	19.02	26.86	27.03	21.75	1015.751	1015.514
6/17/2018 22:00	103	13.13	20.02	4.083333	2.212	104.1	12.21	0	0	0.25	18.48	19.2	17.91	22.79	28.01	22.79	1016.323	1016.16
6/17/2018 23:00	104	13.06	18.62	3.92	2.113	102	10.57	0	0	0.25	17.39	18.23	16.15	25.26	25.45	21.29	1016.473	1016.337
6/18/2018 0:00	105	13.03	17.04	3.626	1.792	91.5	10.8	0	0	0.25	15.79	16.22	15.17	29.55	29.92	25.26	1016.419	1016.464
6/18/2018 1:00	106	13.01	16.45	3.299333	1.891	92.4	12.33	0	0	0.25	15.54	15.98	15.23	29.1	30.22	27.6	1016.604	1016.493
6/18/2018 2:00	107	12.97	15.65	2.417333	1.278	84.7	22.65	0	0	0.25	14.97	15.9	13.47	39.65	40.3	28.45	1016.708	1016.638
6/18/2018 3:00	108	12.94	15.35	3.92	2.01	87.7	15.69	0	0	0.25	14.37	15.06	13.08	34.76	41.6	31.77	1016.945	1016.753
6/18/2018 4:00	109	12.94	14.31	2.711333	1.176	105.8	29.87	0	0	0.25	13.53	14.42	12.69	40.3	40.31	34.44	1017.238	1017.069
6/18/2018 5:00	110	12.92	12.23	1.600667	0.306	68.15	11.47	0	0	0.25	11.6	12.79	10.27	45.89	48.42	38.98	1017.672	1017.394
6/18/2018 6:00	111	12.9	11.62	1.568	0.683	75.67	11.57	0	0	0.25	11.08	12.03	9.75	48.11	51.32	41.46	1018.181	1017.855
6/18/2018 7:00	112	13.01	15.75	3.364666	1.44	113.4	16.11	0	0	0.25	13.63	15.29	11.77	36.85	48.51	36.72	1018.516	1018.377
6/18/2018 8:00	113	13.34	19.32	4.965333	2.941	114.9	14.58	0	0	0.25	16.59	17.71	15.23	34.97	37.26	33.34	1018.818	1018.715
6/18/2018 9:00	114	13.57	22.04	6.239333	3.709	123.7	16.92	0	0	0.25	18.78	19.87	17.51	35.23	36.12	32.17	1018.75	1018.841
6/18/2018 10:00	115	13.56	24.57	7.056	3.966	130.5	18.4	0	0	0.25	21.33	22.75	19.67	28.08	35.17	28.08	1018.606	1018.662
6/18/2018 11:00	116	13.56	27.07	9.309999	4.091	130.3	22.91	0	0	0.25	23.81	26.25	22.54	17.79	29.2	17.47	1018.329	1018.453
6/18/2018 12:00	117	13.49	29.31	9.604	4.528	159.5	21.16	0	0	0.25	26.52	27.19	25.8	16.17	19.08	16.1	1018.208	1018.312
6/18/2018 13:00	118	13.48	30.53	12.054	4.676	154.6	25.94	0	0	0.25	27.43	28.38	26.45	15.14	17.14	14.47	1017.762	1018.018
6/18/2018 14:00	119	13.44	31.89	11.92333	3.558	214.3	38.96	0	0	0.25	28.04	28.7	27.17	12.78	16.33	12.59	1017.546	1017.675
6/18/2018 15:00	120	13.44	32.87	9.995999	4.447	228.9	24.7	0	0	0.25	28.75	29.89	27.69	11.09	14.53	11.09	1017.275	1017.384
6/18/2018 16:00	121	13.41	33.25	9.440666	4.42	231.1	23.15	0	0	0.25	28.84	29.45	28.08	10.9	12.33	9.4	1016.953	1017.126
6/18/2018 17:00	122	13.4	32.88	8.460667	4.431	239.6	26.26	0	0	0.25	28.58	29.31	28.02	10.89	12.13	9.72	1016.816	1016.821
6/18/2018 18:00	123	13.4	32.13	7.709333	4.18	243.2	17.8	0	0	0.25	28.14	28.87	27.56	13.24	13.4	10.5	1016.862	1016.786
6/18/2018 19:00	124	13.37	30.41	6.696667	3.931	247.6	16.06	0	0	0.25	26.99	27.84	26.13	16.23	16.36	12.52	1017.068	1016.892
6/18/2018 20:00	125	13.21	27.03	6.468	3.569	245.1	10.03	0	0	0.25	24.82	26.22	23.39	18.76	18.83	15.71	1017.471	1017.282
6/18/2018 21:00	126	13.13	22.91	4.050666	0.86	292.9	49.07	0	0	0.25	21.75	23.44	20.52	20.78	22.67	18.44	1018.087	1017.78
6/18/2018 22:00	127	13.12	20.61	1.894667	0.715	350.9	21.25	0	0	0.25	20.24	21.21	19.15	23.45	26.04	20.38	1018.499	1018.329
6/18/2018 23:00	128	13.06	19.75	2.417333	1.299	340.7	13.83	0	0	0.25	19.42	20.15	18.69	24.22	24.9	23.05	1018.541	1018.497
6/19/2018 0:00	129	13.02	18.82	3.038	1.45	343.8	16.07	0	0	0.25	18.49	19.04	17.98	21.88	24.52	20.7	1018.53	1018.571
6/19/2018 1:00	130	12.98	15.85	0.98	0.263	0.833	31.34	0	0	0.25	15.07	18.08	13.47	35.02	35.74	21.81	1018.669	1018.57
6/19/2018 2:00	131	12.93	14.28	1.894667	0.378	324.1	29.27	0	0	0.25	14.09	15	13.6	34.37	35	28.18	1018.657	1018.633
6/19/2018 3:00	132	12.94	13.6	2.188667	1.156	309.7	12.42	0	0	0.25	12.93	13.87	12.43	35.27	36.65	31.37	1018.758	1018.682
6/19/2018 4:00	133	12.91	12.73	3.005333	1.42	302.5	16.64	0	0	0.25	11.7	12.58	10.54	32.54	39.7	32.54	1018.909	1018.809
6/19/2018 5:00	134	12.89	11.26	2.776667	0.953	316.7	17.73	0	0	0.25	10.15	10.64	9.16	45.76	45.76	32.54	1019.199	1018.979
6/19/2018 6:00	135	12.9	10.3	2.94	1.313	306	15.63	0	0	0.25	9.05	9.72	8.25	36.32	46.33	35.98	1019.661	1019.42
6/19/2018 7:00	136	13	13.95	2.972667	1.494	284.4	17.87	0	0	0.25	11.09	12.58	9.62	30.35	40.36	29.74	1019.712	1019.712
6/19/2018 8:00	137	13.33	18.28	2.580667	1.572	277.3	15.5	0	0	0.25	14.94	17.26	12.49	23.45	30.85	23.11	1019.88	1019.782
6/19/2018 9:00	138	13.57	23.6	1.96	0.689	253.1	44.53	0	0	0.25	19.96	22.36	17.26	17.98	23.3	17.2	1019.795	1019.894
6/19/2018 10:00	139	13.5	27.66	3.103333	0.986	169.2	58.2	0	0	0.25	23.98	25.28	22.02	14.53	19	14.21	1019.755	1019.739
6/19/2018 11:00	140	13.46	30.23	3.266666	1.138	54.67	72.66	0	0	0.25	25.48	26.54	24.7	8.1	14.47	7.894	1019.599	1019.735
6/19/2018 12:00	141	13.46	31.74	4.736666	1.5	260.7	54.78	0	0	0.25	26.92	27.96	25.87	6.467	8.88	6.203	1019.265	1019.482
6/19/2018 13:00	142	13.4	33.32	5.651333	1.478	217.9	78.86	0	0	0.25	28.6	29.59	27.63	8.49	9.14	6.339	1018.677	1018.979
6/19/2018 14:00	143	13.39	34.75	5.357333	1.628	317.2	76.56	0	0	0.25	29.65	30.51	28.54	8.49	9.11	7.905	1018.076	1018.417
6/19/2018 15:00	144	13.34	36.28	10.55133	2.25	298.1	50.4	0	0	0.25	31.27	32.34	30.1	6.089	8.58	5.957	1017.587	1017.847
6/19/2018 16:00	145	13.33	36.98	6.010666	2.781	277.2	46.07	0	0	0.25	32.11	32.65	31.6	6.057	7.08	5.371	1017.368	1017.493
6/19/2018 17:00	146	13.33	37.18	6.108666	1.907	247.1	54.07	0	0	0.25	32.38	33.14	31.8	6.418	6.873	5.44	1017.005	1017.17
6/19/2018 18:00	147	13.33	36.23	7.056	3.144	270.7	31.38	0	0	0.25	32.11	32.63	31.6	6.153	7.031	6.086	1016.869	1016.867

6/19/2018 19:00	148	13.33	34.46	5.978	2.622	277.6	22.13	0	0	0.25	31.37	31.98	30.62	6.54	6.959	5.76	1017.139	1016.993
6/19/2018 20:00	149	13.18	30.83	5.096	2.429	307.1	16.94	0	0	0.25	29.18	30.67	28.08	8.67	8.95	6.474	1017.453	1017.308
6/19/2018 21:00	150	13.14	27.6	5.259333	1.953	298.9	25.83	0	0	0.25	26.48	28.15	22.74	13.96	14.03	8.55	1018.16	1017.755
6/19/2018 22:00	151	13.08	24.12	3.364666	1.098	297.9	31.22	0	0	0.25	23.15	24.36	22.09	13.62	14.78	11.21	1018.907	1018.556
6/19/2018 23:00	152	13.02	22.15	3.038	1.68	312.9	16.33	0	0	0.25	21.34	22.26	20.59	14.33	15.9	12.83	1018.963	1018.94
6/20/2018 0:00	153	13.01	21.34	3.364666	1.751	299.5	16.05	0	0	0.25	20.89	21.63	20.07	15.7	15.84	14	1018.898	1018.974
6/20/2018 1:00	154	12.98	19.36	2.515333	0.966	333.3	55.66	0	0	0.25	18.85	20.2	17.52	18.55	18.88	15.56	1019.276	1019.038
6/20/2018 2:00	155	12.93	17.2	2.482667	1.026	326.1	23.6	0	0	0.25	16.84	17.79	16.02	20.9	21.02	17.44	1019.092	1019.162
6/20/2018 3:00	156	12.93	16.9	2.646	0.973	333.7	25.27	0	0	0.25	17.11	18.55	15.11	21.74	22.91	16.6	1019.414	1019.201
6/20/2018 4:00	157	12.94	15.08	2.907333	0.993	320.8	47.75	0	0	0.25	14.42	16.52	12.69	26.69	29.19	21.41	1019.614	1019.408
6/20/2018 5:00	158	12.9	13.58	3.299333	1.201	306.8	16.06	0	0	0.25	12.62	13.36	11.91	26.03	31.04	24.07	1019.88	1019.621
6/20/2018 6:00	159	12.89	13.16	3.724	1.807	298.4	18	0	0	0.25	11.79	12.73	10.73	27.54	29.36	24.4	1020.4	1020.033
6/20/2018 7:00	160	13	16.48	3.593333	1.761	299.2	15.56	0	0	0.25	13.61	16.25	10.73	20.83	28.01	20.76	1020.843	1020.59
6/20/2018 8:00	161	13.27	21.22	4.606	2.329	284.5	17.7	0	0	0.25	18.52	20.52	16.15	16.47	21.19	16.08	1020.995	1020.898
6/20/2018 9:00	162	13.56	26.34	4.736666	2.939	252.8	18.37	0	0	0.25	23.62	26.59	20.45	12.91	16.75	12.58	1020.697	1020.866
6/20/2018 10:00	163	13.45	31.06	4.312	2.013	196.3	51.47	0	0	0.25	28.58	29.84	26.52	10.57	13.12	10.38	1020.495	1020.614
6/20/2018 11:00	164	13.41	34.16	6.239333	1.82	40.45	59.45	0	0	0.25	30.61	31.41	29.39	9.08	10.85	8.95	1020.071	1020.314
6/20/2018 12:00	165	13.41	36.03	7.023333	1.801	341.2	77.3	0	0	0.25	31.71	32.58	30.56	8.04	9.45	7.845	1019.853	1019.993
6/20/2018 13:00	166	10.18	37.05	4.965333	2.013	229.2	78.89	0	0	0.25	32.6	33.77	31.08	7.784	8.61	7.523	1019.291	1019.581
6/20/2018 14:00	167	13.33	38.04	6.86	2.859	259.1	43.39	0	0	0.25	33.7	34.41	33.04	7.46	8.13	7.007	1018.736	1019.051
6/20/2018 15:00	168	13.33	39.29	6.958	2.582	268.9	51.84	0	0	0.25	34.44	35.34	33.69	6.617	7.612	6.358	1018.447	1018.607
6/20/2018 16:00	169	13.28	40.33	6.174	1.856	296.4	78.08	0	0	0.25	34.92	35.6	34.27	6.815	7.183	6.161	1017.855	1018.159
6/20/2018 17:00	170	13.25	40.4	6.076	2.48	335.5	42.97	0	0	0.25	35.64	36.16	35.19	6.688	7.219	6.621	1017.432	1017.628
6/20/2018 18:00	171	13.29	40.04	5.194	1.699	335.1	41.52	0	0	0.25	35.61	36.16	35.25	6.554	7.111	6.034	1017.192	1017.246
6/20/2018 19:00	172	13.27	37.89	6.239333	3.169	317.8	20.96	0	0	0.25	34.65	35.59	33.75	6.939	7.183	6.491	1017.583	1017.414
6/20/2018 20:00	173	13.18	34.14	5.847333	2.422	316	17.26	0	0	0.25	32.55	33.88	31.15	8.47	8.77	6.874	1017.989	1017.792
6/20/2018 21:00	174	13.13	30.85	5.455333	2.418	302.9	27.26	0	0	0.25	29.93	31.43	28.09	10.05	11.1	8.3	1018.744	1018.315
6/20/2018 22:00	175	13.06	28.37	4.769333	2.07	321.1	17.19	0	0	0.25	27.54	28.81	26.65	12.01	12.01	10.05	1019.322	1019.061
6/20/2018 23:00	176	13.01	26.45	3.854666	1.789	318.1	24.65	0	0	0.25	25.77	26.72	24.24	13.68	13.79	11.8	1019.445	1019.411
6/21/2018 0:00	177	12.99	23.85	2.842	1.328	331.3	16.11	0	0	0.25	23.27	24.37	22.61	14.65	15.4	13.56	1019.287	1019.408
6/21/2018 1:00	178	12.97	22.74	2.874667	1.452	316.7	15.84	0	0	0.25	22.53	23.52	21.69	15.19	16.32	13.49	1019.102	1019.198
6/21/2018 2:00	179	12.95	21.21	3.397333	1.459	281.5	19.8	0	0	0.25	20.55	22.6	18.3	18.82	21.56	14.46	1019.442	1019.24
6/21/2018 3:00	180	12.93	18.57	2.090667	0.932	298.4	23.06	0	0	0.25	17.77	20.13	16.67	19.68	22.72	17.06	1019.682	1019.495
6/21/2018 4:00	181	12.93	17.51	2.254	0.934	334.4	33.49	0	0	0.25	17.06	17.79	14.58	28.01	28.45	19.33	1019.821	1019.735
6/21/2018 5:00	182	12.89	16.27	2.482667	1.041	324.4	19.33	0	0	0.25	15.71	16.65	14.65	22.98	27.93	21.28	1020.258	1020.048
6/21/2018 6:00	183	12.9	15.8	1.764	0.718	328.5	20.39	0	0	0.25	15.64	16.45	14.71	23.31	25.06	21.54	1020.774	1020.551
6/21/2018 7:00	184	12.98	18.9	2.319333	1.021	277.7	21.91	0	0	0.25	16.35	17.74	15.43	21.42	29.56	21.42	1020.926	1020.8
6/21/2018 8:00	185	12.28	23.31	2.809333	1.357	270.6	15.29	0	0	0.25	20.11	22.8	17.52	15.7	21.4	15.57	1021.157	1020.983
6/21/2018 9:00	186	13.48	29	2.025333	0.543	186.6	49.56	0	0	0.25	25.95	28.51	22.8	11.16	15.7	10.96	1020.949	1021.079
6/21/2018 10:00	187	13.44	33.18	3.724	1.082	250	65.96	0	0	0.25	29.63	30.82	28.35	9.92	11.63	9.92	1020.609	1020.775
6/21/2018 11:00	188	13.38	36.23	4.116	1.479	273	48.15	0	0	0.25	32.01	33.68	30.69	7.46	10.25	7.197	1020.295	1020.485
6/21/2018 12:00	189	13.37	38.16	6.631333	2.028	296.5	46.06	0	0	0.25	33.88	35.76	32.84	6.618	7.93	6.618	1019.689	1020.061
6/21/2018 13:00	190	13.34	39.37	7.644	2.975	269	40.94	0	0	0.25	35.37	36.56	34.66	6.036	7.151	5.775	1019.311	1019.602
6/21/2018 14:00	191	13.29	40.38	8.134	2.708	283	39.27	0	0	0.25	35.99	36.97	35.19	6.232	6.911	5.97	1018.617	1018.96
6/21/2018 15:00	192	13.26	41.08	10.682	3.685	268.2	37.82	0	0	0.25	36.65	37.39	35.71	5.842	6.571	5.455	1018.245	1018.411
6/21/2018 16:00	193	13.29	41.07	9.473332	4.135	264	25.91	0	0	0.25	36.58	37.3	35.91	6.75	7.255	5.712	1017.697	1017.956
6/21/2018 17:00	194	13.29	40.43	11.956	4.715	235.1	21.75	0	0	0.25	36.3	36.77	35.77	6.883	6.883	6.101	1017.339	1017.563
6/21/2018 18:00	195	13.3	39.22	8.493333	4.793	245.6	17.61	0	0	0.25	35.43	36.42	34.86	7.495	7.611	6.165	1017.241	1017.258
6/21/2018 19:00	196	12.27	37.07	8.558666	5.395	244.7	12.35	0	0	0.25	33.99	35.02	32.97	7.978	8.2	7.269	1017.484	1017.338
6/21/2018 20:00	197	13.16	33.42	7.513333	3.895	250.2	10.98	0	0	0.25	31.46	33.07	29.72	9.72	9.75	7.978	1017.707	1017.594
6/21/2018 21:00	198	13.13	29.64	3.822	1.777	316.7	33.42	0	0	0.25	28.64	29.71	27.83	10.9	11.04	9.66	1018.254	1017.948
6/21/2018 22:00	199	13.06	27.5	4.018	1.497	334	20.97	0	0	0.25	27.05	28.19	26	13.04	13.18	10.76	1018.649	1018.471

6/21/2018 23:00	200	13.02	26.11	3.92	2.179	342.6	18.81	0	0	0.25	25.54	26.13	24.9	13.75	13.98	12.91	1018.538	1018.558
6/22/2018 0:00	201	12.98	24.7	3.201333	1.358	339.1	15.55	0	0	0.25	24.62	25.41	22.41	16.09	16.2	13.23	1018.417	1018.488
6/22/2018 1:00	202	12.95	21.97	2.319333	0.921	353.9	46.38	0	0	0.25	21.55	23.57	19.81	14.99	19.9	14.98	1018.252	1018.308
6/22/2018 2:00	203	12.94	21.57	2.548	1.011	351.7	38.24	0	0	0.25	21.75	23.59	18.63	20.06	21.3	14.79	1018.238	1018.252
6/22/2018 3:00	204	12.93	18.97	2.874667	0.566	43.68	29.87	0	0	0.25	18.41	19.53	17.54	22.6	23.31	19.01	1017.982	1017.995
6/22/2018 4:00	205	12.9	17.18	2.156	0.372	350.4	45.5	0	0	0.25	16.93	18.1	14.92	27.54	28.12	21.29	1018.318	1018.03
6/22/2018 5:00	206	12.9	15	2.156	0.739	321.8	35.82	0	0	0.25	14.08	15.1	13.15	28.18	30.77	26.82	1018.65	1018.659
6/22/2018 6:00	207	12.9	14.86	1.764	0.55	341.6	23.19	0	0	0.25	14.6	15.4	14.06	28.12	29.23	26.1	1018.65	1018.713
6/22/2018 7:00	208	12.97	18.98	1.731333	0.26	341.9	68.42	0	0	0.25	17.16	18.38	14.39	25.39	29.08	23.18	1018.763	1018.648
6/22/2018 8:00	209	13.22	23.64	1.764	0.777	251.8	29.29	0	0	0.25	20.37	23.84	18.3	15.44	25.88	15.44	1018.778	1018.861
6/22/2018 9:00	210	13.49	28.39	4.704	2.143	121.6	20.04	0	0	0.25	25.82	27.32	23.84	12.26	15.72	12	1018.651	1018.744
6/22/2018 10:00	211	13.44	31.52	4.769333	2.526	123	21.98	0	0	0.25	28.5	29.97	26.91	10.32	12.59	10.05	1018.396	1018.496
6/22/2018 11:00	212	13.38	35.1	4.148666	1.319	141.2	75.65	0	0	0.25	31.22	32.73	29.72	5.503	10.58	5.374	1017.852	1018.178
6/22/2018 12:00	213	13.36	37.38	8.82	2.884	242.4	48.95	0	0	0.25	33.72	34.86	32.45	5.964	6.419	4.597	1017.445	1017.645
6/22/2018 13:00	214	12.59	38.62	7.970667	3.144	236.5	39.01	0	0	0.25	34.8	35.84	33.76	4.867	6.131	4.465	1016.955	1017.192
6/22/2018 14:00	215	13.3	39.7	6.892667	3.295	294.2	40.23	0	0	0.25	35.66	36.63	34.6	4.874	5.312	4.281	1016.231	1016.549
6/22/2018 15:00	216	13.3	40.49	8.134	3.095	280.3	36.58	0	0	0.25	35.89	36.69	35.19	4.839	5.334	4.346	1015.69	1016.051
6/22/2018 16:00	217	13.29	40.63	7.872667	3.368	271.6	29.24	0	0	0.25	35.89	36.62	35.45	4.156	4.908	4.152	1014.982	1015.376
6/22/2018 17:00	218	13.29	40.35	7.317333	3.479	284.2	28.03	0	0	0.25	35.98	36.5	35.58	4.607	4.861	4.021	1014.681	1014.844
6/22/2018 18:00	219	13.26	39.3	7.970667	3.628	283.3	21.22	0	0	0.25	35.48	36.09	34.93	4.864	5.098	4.476	1014.357	1014.469
6/22/2018 19:00	220	13.27	37.4	7.480667	3.436	290.5	19.38	0	0	0.25	34.43	35.22	33.62	4.74	5.021	4.532	1014.581	1014.446
6/22/2018 20:00	221	13.16	33.75	6.043334	2.865	300.8	16.66	0	0	0.25	32.18	33.71	30.89	5.694	5.827	4.596	1014.736	1014.631
6/22/2018 21:00	222	13.13	30.94	5.357333	2.704	311.1	15.89	0	0	0.25	30.23	31.03	29.39	5.562	5.986	5.367	1015.335	1015.054
6/22/2018 22:00	223	13.06	26.63	4.279333	0.987	314.3	41.45	0	0	0.25	25.9	29.74	24.5	7.959	8.04	5.428	1016.17	1015.838
6/22/2018 23:00	224	13.02	24.45	2.515333	1.308	330.2	14.43	0	0	0.25	24.22	25.41	23.39	9.84	10.04	7.957	1016.142	1016.111
6/23/2018 0:00	225	12.97	21.67	1.698667	0.458	5.415	25.62	0	0	0.25	21.7	23.72	19.16	13.09	13.87	9.58	1016.276	1016.248
6/23/2018 1:00	226	12.94	19.96	2.613333	0.533	7.077	13.25	0	0	0.25	20.17	22.42	18.89	11.33	14.01	10.94	1015.871	1016.054
6/23/2018 2:00	227	12.93	19.79	2.221333	0.594	18.85	35.58	0	0	0.25	20.28	22.03	18.37	14.86	15.05	11.27	1015.962	1015.893
6/23/2018 3:00	228	12.89	17.64	1.698667	0.387	28.58	43.63	0	0	0.25	17.31	19.74	15.24	19.39	19.46	13.28	1015.872	1015.951
6/23/2018 4:00	229	12.89	15.52	1.208667	0.292	6.323	33.66	0	0	0.25	15.29	16.03	14.78	18.21	20.11	18.15	1015.932	1015.899
6/23/2018 5:00	230	12.87	14.25	1.339333	0.298	318.1	50.74	0	0	0.25	14.23	15.96	12.95	23.25	23.39	17.96	1016.083	1016.041
6/23/2018 6:00	231	12.86	13.63	3.168666	1.235	317.5	17.09	0	0	0.25	12.86	13.28	12.56	20.49	23.59	20.3	1016.5	1016.236
6/23/2018 7:00	232	12.94	17.85	2.711333	0.568	288.7	45.21	0	0	0.25	15.58	18.03	13.21	15.49	20.79	15.36	1016.841	1016.663
6/23/2018 8:00	233	13.22	23.5	5.39	1.593	165.1	67.57	0	0	0.25	21.19	24.11	18.04	12.51	15.51	11.27	1017.045	1016.976
6/23/2018 9:00	234	13.52	27.48	6.631333	3.721	112.8	15.35	0	0	0.25	25.12	26.33	24.04	13.82	15.37	11.8	1016.91	1017.048
6/23/2018 10:00	235	13.48	30.56	6.435333	3.505	111.6	19.02	0	0	0.25	27.75	29.92	25.93	11.39	14.1	10.9	1016.735	1016.839
6/23/2018 11:00	236	13.24	34.28	5.194	2.441	104.9	38.72	0	0	0.25	31.11	32.44	29.19	8.71	11.78	8.11	1016.326	1016.585
6/23/2018 12:00	237	13.34	36.45	9.277333	4.644	244.8	30.93	0	0	0.25	33.24	33.89	32.13	7.98	8.91	7.067	1016.14	1016.187
6/23/2018 13:00	238	13.37	37.04	9.930667	5.842	233.8	15.42	0	0	0.25	33.52	34.11	33.04	8.82	8.98	7.656	1015.936	1016.024
6/23/2018 14:00	239	13.32	37.23	10.78	6.476	247.1	16.73	0	0	0.25	33.4	34	32.84	8.5	9.14	7.979	1015.719	1015.823
6/23/2018 15:00	240	13.33	37.82	10.25733	5.479	240.6	22.49	0	0	0.25	33.65	34.27	32.97	8.5	9.04	7.915	1015.347	1015.571
6/23/2018 16:00	241	13.33	37.72	11.858	6.255	234	17.21	0	0	0.25	33.43	34.04	32.91	7.59	8.97	7.004	1015.386	1015.403
6/23/2018 17:00	242	13.33	37.05	10.682	5.827	223.2	15.54	0	0	0.25	32.99	33.73	32.45	9.28	9.28	6.937	1015.14	1015.289
6/23/2018 18:00	243	13.32	35.99	11.13933	5.866	239.6	14.15	0	0	0.25	32.15	32.9	31.47	10.33	10.34	8.89	1014.944	1015.009
6/23/2018 19:00	244	13.3	34.26	8.33	5.091	232.6	15.84	0	0	0.25	31.05	31.82	30.24	12.33	13.55	9.86	1015.203	1015.066
6/23/2018 20:00	245	13.17	31.26	7.938	4.51	250.7	10.65	0	0	0.25	29.17	30.37	27.83	12.98	13.01	10.64	1015.731	1015.444
6/23/2018 21:00	246	13.13	27.44	4.181334	1.492	260.6	30.77	0	0	0.25	26.26	27.88	25.15	15.91	15.91	12.78	1016.257	1015.976
6/23/2018 22:00	247	13.06	24.91	1.698667	0.643	341.7	25.84	0	0	0.25	24.36	25.54	22.22	21.63	21.77	15.84	1016.513	1016.419
6/23/2018 23:00	248	13.02	23.38	1.862	0.907	346.4	14.88	0	0	0.25	23.07	23.66	22.15	25.54	25.66	21.56	1016.59	1016.552
6/24/2018 0:00	249	13.01	22.81	2.058	1.004	333.7	21.49	0	0	0.25	22.54	23.44	21.25	31.79	31.92	25.28	1016.524	1016.541
6/24/2018 1:00	250	12.97	20.95	2.352	0.467	38.04	27.14	0	0	0.25	20.35	21.31	19.54	36.8	37.34	31.79	1016.503	1016.471
6/24/2018 2:00	251	12.94	19.68	2.123333	1.012	57.78	26.25	0	0	0.25	18.76	20.01	17.72	39.86	40.93	36.08	1016.463	1016.466

6/24/2018 3:00	252	12.92	18.08	1.208667	0.204	35.59	22.83	0	0	0.25	17.52	18.25	16.94	41.02	42.02	39.14	1016.292	1016.383
6/24/2018 4:00	253	12.9	16.69	1.012667	0.223	50.82	18.86	0	0	0.25	16	17.03	15.56	44.34	45.72	41.03	1016.401	1016.317
6/24/2018 5:00	254	12.88	15.51	1.306667	0.309	41.95	40.21	0	0	0.25	15.08	16.22	14.13	47.92	48.49	43.04	1017.04	1016.649
6/24/2018 6:00	255	12.86	14.83	2.188667	0.403	26.78	33.97	0	0	0.25	14.39	15.49	13.8	48.45	49.69	44.6	1017.583	1017.283
6/24/2018 7:00	256	12.95	18.1	2.025333	0.659	270.9	24.27	0	0	0.25	15.73	17.32	14.13	37.25	48.51	37.18	1018.264	1017.94
6/24/2018 8:00	257	13.25	22.86	3.887333	1.457	193	71.59	0	0	0.25	19.85	22.24	17.13	30.75	37.64	30.61	1018.791	1018.516
6/24/2018 9:00	258	13.53	26.66	4.018	2.358	121.3	20.07	0	0	0.25	23.48	24.78	22.15	24.56	31.04	24.56	1018.951	1018.865
6/24/2018 10:00	259	13.47	29.36	5.455333	2.726	124.2	26.97	0	0	0.25	25.86	27.62	24.7	19.36	24.57	18.7	1018.846	1018.924
6/24/2018 11:00	260	13.45	32.28	7.415333	2.625	119.6	48.27	0	0	0.25	28.5	30.42	27.24	9.86	19.99	9.73	1018.705	1018.821
6/24/2018 12:00	261	13.38	34.29	7.905333	3.602	252.2	31.92	0	0	0.25	30.51	31.21	30.04	9.73	10.1	9.21	1018.482	1018.577
6/24/2018 13:00	262	13.37	35.65	8.231999	3.042	235.3	34.9	0	0	0.25	31.47	32.68	30.43	9.02	10.15	8.5	1018.145	1018.313
6/24/2018 14:00	263	13.37	36.58	7.611333	3.358	239.3	36.77	0	0	0.25	32.12	33.05	31.48	9.28	9.67	8.63	1017.713	1017.894
6/24/2018 15:00	264	13.33	37.15	9.309999	3.542	236.9	30.46	0	0	0.25	32.27	33.49	31.54	9.47	10.11	8.83	1017.579	1017.616
6/24/2018 16:00	265	13.32	37.33	8.003333	4.097	227.5	25.41	0	0	0.25	32.55	33.42	31.93	9.87	10.31	9.35	1017.28	1017.475
6/24/2018 17:00	266	13.31	36.73	9.669333	4.712	233.5	22.25	0	0	0.25	32.29	33.32	31.61	9.93	10.52	9.54	1016.958	1017.167
6/24/2018 18:00	267	13.33	35.74	8.983333	4.499	233.2	22.12	0	0	0.25	31.67	32.36	31.08	10.25	10.45	9.67	1016.756	1016.839
6/24/2018 19:00	268	13.32	33.94	7.938	4.705	237.4	14.5	0	0	0.25	30.67	31.54	29.78	13.05	13.26	10.12	1016.898	1016.847
6/24/2018 20:00	269	13.17	30.76	7.252	4.037	245.8	13.99	0	0	0.25	28.63	29.88	27.37	14.8	14.8	12.92	1017.117	1016.947
6/24/2018 21:00	270	13.14	27.46	5.978	1.669	303.3	34.71	0	0	0.25	26.32	27.44	25.61	15.97	16.18	14.8	1017.775	1017.359
6/24/2018 22:00	271	13.08	25.93	3.691333	1.5	329.2	28.82	0	0	0.25	25.23	25.96	24.63	17.79	18	16.03	1018.278	1018.06
6/24/2018 23:00	272	13.03	24.56	3.234	1.541	341	18.79	0	0	0.25	23.91	24.81	23.33	19.42	19.5	17.73	1018.271	1018.267
6/25/2018 0:00	273	13.02	23.61	2.907333	1.532	343	16.29	0	0	0.25	23.04	23.47	22.09	20.78	20.88	19.15	1018.333	1018.287
6/25/2018 1:00	274	12.98	21.25	1.731333	0.482	27.27	25.24	0	0	0.25	20.49	22.42	18.56	26.19	26.19	20.39	1018.453	1018.362
6/25/2018 2:00	275	12.94	18.96	2.45	0.458	35.06	32.36	0	0	0.25	17.69	18.7	16.48	27.54	29.7	25.98	1018.782	1018.628
6/25/2018 3:00	276	12.92	18.09	1.829333	0.76	3.39	49.3	0	0	0.25	17.58	18.99	15.7	31.79	31.79	25.59	1019.023	1018.893
6/25/2018 4:00	277	12.89	16.76	2.221333	1.073	307.1	28.12	0	0	0.25	15.8	16.37	14.91	31.12	31.9	29.69	1019.147	1019.071
6/25/2018 5:00	278	12.87	15.75	2.646	1.399	309.6	18.97	0	0	0.25	14.54	15.06	14.13	31.84	33.98	31.12	1019.443	1019.282
6/25/2018 6:00	279	12.87	15.25	2.156	0.726	331.1	30.71	0	0	0.25	14.61	15.44	13.7	35.36	35.71	31.38	1019.945	1019.704
6/25/2018 7:00	280	12.96	18.94	2.221333	0.883	283.5	35.37	0	0	0.25	16.67	17.72	14.19	28	35.56	27.2	1020.4	1020.144
6/25/2018 8:00	281	13.25	23.51	1.796667	0.59	237.9	38.08	0	0	0.25	20.16	23.33	17.65	20.64	28.61	20.26	1020.721	1020.62
6/25/2018 9:00	282	13.53	27.88	3.266666	1.327	137.7	26.83	0	0	0.25	24.63	26.13	22.93	17.66	21.06	17.6	1020.789	1020.767
6/25/2018 10:00	283	13.46	30.65	4.312	2.041	116.8	26.22	0	0	0.25	26.83	28.47	25.67	16.43	18.48	15.84	1020.424	1020.63
6/25/2018 11:00	284	13.43	33.66	3.92	1.381	114.1	55.4	0	0	0.25	29.18	30.68	27.83	14.88	16.45	13.51	1020.43	1020.514
6/25/2018 12:00	285	13.41	35.78	6.010666	1.72	119.8	60.45	0	0	0.25	31.02	33.06	29.33	13.38	15.28	11.69	1019.95	1020.231
6/25/2018 13:00	286	13.36	37.4	4.508	1.452	183.7	91.5	0	0	0.25	32.59	33.52	31.35	12.08	13.45	11.1	1019.145	1019.643
6/25/2018 14:00	287	13.33	38.71	5.096	1.675	149.4	90	0	0	0.25	33.59	34.86	32.59	10.91	12.28	10.65	1018.537	1018.84
6/25/2018 15:00	288	13.3	39.56	6.141333	2.83	125.8	54.77	0	0	0.25	34.7	35.71	33.89	9.68	11.22	9.68	1018.121	1018.316
6/25/2018 16:00	289	13.29	39.76	9.865333	3.148	212.6	56.62	0	0	0.25	34.75	36.16	33.56	9.97	10.68	9.41	1017.512	1017.756
6/25/2018 17:00	290	13.27	39.34	7.970667	3.336	244.5	48.74	0	0	0.25	34.64	35.35	33.89	9.81	10.35	9.55	1017.231	1017.443
6/25/2018 18:00	291	13.3	37.76	10.15933	5.159	247	19.06	0	0	0.25	33.66	34.53	32.91	10.72	10.98	9.87	1017.441	1017.281
6/25/2018 19:00	292	13.3	35.6	9.309999	4.9	245.8	12.87	0	0	0.25	32.41	33.08	31.61	11.69	11.83	10.52	1017.831	1017.572
6/25/2018 20:00	293	13.17	32.42	7.186667	3.809	248.4	12.84	0	0	0.25	30.36	31.66	29.07	13.96	14.1	11.62	1018.062	1017.947
6/25/2018 21:00	294	13.13	28.86	3.234	1.51	318.1	21.95	0	0	0.25	27.56	29.13	26.65	16.39	16.39	13.96	1018.672	1018.298
6/25/2018 22:00	295	13.07	26.78	3.038	1.431	328.6	15.31	0	0	0.25	26.07	26.74	25.55	17.14	17.48	16.23	1019.023	1018.891
6/25/2018 23:00	296	13.02	25.49	3.103333	1.544	334.8	14.75	0	0	0.25	24.9	25.74	23.85	17.86	18.66	17.01	1019.196	1019.086
6/26/2018 0:00	297	12.97	24.92	3.528	1.693	341.7	18.72	0	0	0.25	24.62	25.34	23.65	17.08	18.51	16.61	1019.099	1019.094
6/26/2018 1:00	298	12.94	22.31	2.156	0.946	305	35.32	0	0	0.25	21.19	25.1	20.39	22.15	22.83	17.08	1019.107	1019.147
6/26/2018 2:00	299	12.94	21.24	2.384667	1.163	327.1	19.57	0	0	0.25	20.81	21.37	20.13	21.39	23.17	21.04	1019.263	1019.219
6/26/2018 3:00	300	12.9	19.76	2.319333	0.402	46.07	23.56	0	0	0.25	19.31	21.11	17	27.68	28.34	21.3	1019.245	1019.292
6/26/2018 4:00	301	12.9	17.82	2.188667	0.645	47.02	37.71	0	0	0.25	16.83	18.57	15.43	30.08	30.47	25.07	1019.483	1019.421
6/26/2018 5:00	302	12.88	16.46	1.992667	0.76	315.6	34.51	0	0	0.25	15.77	16.44	15.24	29.17	31.05	28.45	1020.018	1019.771
6/26/2018 6:00	303	12.87	15.94	1.502667	0.359	314.4	26.48	0	0	0.25	15.51	16.47	14.52	32.82	32.82	28.32	1020.256	1020.17

6/26/2018 7:00	304	12.93	18.56	3.234	1.528	290.1	19.86	0	0	0.25	15.65	17.61	14.39	25.65	33.75	25.52	1020.901	1020.485
6/26/2018 8:00	305	13.25	23.82	2.156	0.65	260.5	58.94	0	0	0.25	20.69	22.81	17.52	19.8	25.78	19.67	1021.175	1021.012
6/26/2018 9:00	306	13.52	28.39	4.050666	1.652	142.3	39.17	0	0	0.25	25.24	27.33	22.61	15.39	19.95	15.32	1021.057	1021.144
6/26/2018 10:00	307	13.45	31.64	5.128666	2.455	127.5	20.82	0	0	0.25	28.34	29.77	27.18	13.44	15.53	13.05	1020.995	1020.997
6/26/2018 11:00	308	13.4	34.38	5.128666	2.501	115.7	29.77	0	0	0.25	30.66	31.83	29.26	11.29	13.58	11.1	1020.849	1020.93
6/26/2018 12:00	309	13.34	36.7	4.704	2.096	142	53.89	0	0	0.25	32.72	34.13	31.8	9.86	11.43	9.8	1020.177	1020.475
6/26/2018 13:00	310	13.33	37.94	8.231999	3.359	136.7	29.91	0	0	0.25	34.26	34.92	33.69	9.22	10.09	8.96	1019.559	1019.931
6/26/2018 14:00	311	13.33	39.1	8.003333	3.894	149.9	24.27	0	0	0.25	35.4	36.54	34.02	8.26	9.69	8.05	1019.102	1019.343
6/26/2018 15:00	312	13.31	39.53	8.852667	3.854	154.9	34.66	0	0	0.25	35.33	36.18	34.47	8.7	9.08	8.25	1018.939	1019.03
6/26/2018 16:00	313	13.29	39.96	6.598667	3.317	174.8	31.96	0	0	0.25	35.6	36.04	34.99	8.12	9.05	7.858	1018.455	1018.662
6/26/2018 17:00	314	13.3	39.64	6.566	3.18	151.2	30.4	0	0	0.25	35.27	35.89	34.48	7.325	8.4	7.074	1018.075	1018.286
6/26/2018 18:00	315	13.3	38.61	7.284667	3.022	178.4	29.76	0	0	0.25	34.86	35.67	34.21	6.163	7.418	6.096	1018.045	1018.046
6/26/2018 19:00	316	13.26	36.26	7.938	4.714	243.5	13.44	0	0	0.25	33	34.48	32.13	7.065	7.194	6.162	1018.305	1018.138
6/26/2018 20:00	317	13.14	32.47	6.500667	3.158	245.8	13.75	0	0	0.25	30.57	32.14	28.81	8.36	8.51	6.999	1018.77	1018.534
6/26/2018 21:00	318	13.13	28.82	3.070667	1.62	328.8	28.73	0	0	0.25	27.92	29.07	26.98	9.13	9.34	8.36	1019.18	1018.899
6/26/2018 22:00	319	13.05	26.58	3.038	1.4	348.8	19.36	0	0	0.25	26.25	27.33	25.61	9.91	10.19	9.07	1019.704	1019.497
6/26/2018 23:00	320	13.01	23.49	1.731333	0.368	7.491	24.06	0	0	0.25	23.04	25.99	20.59	13.48	14.4	9.91	1019.811	1019.776
6/27/2018 0:00	321	12.98	21.29	1.502667	0.407	10.44	9.51	0	0	0.25	21.56	22.05	20.92	13.7	14.23	13.09	1019.704	1019.769
6/27/2018 1:00	322	12.94	19.48	1.110667	0.158	50.07	13.11	0	0	0.25	19.42	21.47	18.18	16.89	16.89	13.68	1019.604	1019.708
6/27/2018 2:00	323	12.9	18.49	1.96	0.517	340.1	36.07	0	0	0.25	19.02	20.67	17.78	16.73	16.99	13.8	1019.626	1019.594
6/27/2018 3:00	324	12.89	16.33	1.372	0.547	347.6	34.9	0	0	0.25	16.09	17.86	14.91	19.91	20.33	16.66	1019.56	1019.585
6/27/2018 4:00	325	12.86	14.55	1.829333	0.324	341.2	24.14	0	0	0.25	14.7	15.33	14	20.76	21.61	19.72	1019.653	1019.572
6/27/2018 5:00	326	12.86	13.68	2.319333	1.195	315	15.49	0	0	0.25	13.22	14.6	12.23	23.75	24.34	20.76	1019.748	1019.647
6/27/2018 6:00	327	12.85	13.26	2.254	1.098	325.1	25.04	0	0	0.25	12.9	14.34	12.05	24.73	24.81	21.34	1020.05	1019.963
6/27/2018 7:00	328	12.94	16.12	2.972667	1.19	286.4	15.03	0	0	0.25	13.15	16.09	11.39	18.81	26.35	18.81	1020.389	1020.188
6/27/2018 8:00	329	13.22	21.03	3.234	1.671	274.6	14.73	0	0	0.25	18.17	20.79	16.02	13.8	18.88	13.8	1020.634	1020.54
6/27/2018 9:00	330	13.56	26.84	3.560667	1.3	171.2	73.57	0	0	0.25	24.02	26.85	20.72	9.78	13.89	9.65	1020.672	1020.785
6/27/2018 10:00	331	13.48	30.64	5.422667	2.956	115.8	19.02	0	0	0.25	28.12	29.85	26.72	7.06	10.13	6.795	1020.506	1020.566
6/27/2018 11:00	332	13.42	33.54	6.337333	2.79	117	29.5	0	0	0.25	30.37	31.28	29.26	6.347	7.397	6.151	1020.294	1020.49
6/27/2018 12:00	333	13.37	35.65	9.995999	3.64	121.1	24.62	0	0	0.25	32.47	34.09	30.82	4.794	6.622	4.663	1019.605	1019.99
6/27/2018 13:00	334	13.34	37.45	9.277333	3.952	231.4	55.1	0	0	0.25	34.15	34.79	33.56	4.473	4.822	4.017	1019.194	1019.41
6/27/2018 14:00	335	13.33	38.13	9.571333	5.061	246.8	22.49	0	0	0.25	34.5	35.12	33.76	4.213	4.727	3.305	1018.818	1018.987
6/27/2018 15:00	336	13.33	38.73	9.342667	4.735	239.2	19.11	0	0	0.25	34.57	35.32	33.76	3.178	4.829	3.177	1018.361	1018.642
6/27/2018 16:00	337	13.3	38.95	8.918	4.668	238.4	21.46	0	0	0.25	34.73	35.35	34.14	3.631	3.976	2.274	1017.896	1018.129
6/27/2018 17:00	338	13.29	38.57	10.32267	4.574	234.4	28.59	0	0	0.25	34.48	35.18	34.02	4.349	4.685	3.567	1017.586	1017.732
6/27/2018 18:00	339	13.33	37.45	7.709333	4.574	232	17.91	0	0	0.25	33.7	34.27	32.91	4.533	4.595	3.561	1017.503	1017.518
6/27/2018 19:00	340	13.29	35.49	7.448	4.551	239.2	11.9	0	0	0.25	32.44	33.33	31.48	4.794	4.871	4.27	1017.74	1017.601
6/27/2018 20:00	341	13.17	31.62	6.010666	3.126	242	10.7	0	0	0.25	29.83	31.58	27.5	6.989	6.989	4.659	1018.106	1017.924
6/27/2018 21:00	342	13.13	27.03	2.286667	0.94	293.6	35.13	0	0	0.25	26.39	27.55	25.94	7.779	7.779	6.923	1018.456	1018.234
6/27/2018 22:00	343	13.05	24.99	1.764	1.127	345.6	12.34	0	0	0.25	25.28	26.19	24.76	7.371	7.862	7.242	1018.787	1018.698
6/27/2018 23:00	344	13.02	23.58	2.123333	1.263	341.1	11.03	0	0	0.25	23.89	24.9	23.14	7.822	8.14	7.305	1018.659	1018.727
6/28/2018 0:00	345	12.98	21.59	2.058	0.803	342.3	19.21	0	0	0.25	21.82	23.38	20.14	9.31	9.6	7.821	1018.598	1018.664
6/28/2018 1:00	346	12.94	20.1	2.188667	0.684	350.3	31.89	0	0	0.25	20.57	21.7	18.31	11.65	11.79	8.92	1018.212	1018.406
6/28/2018 2:00	347	12.91	18.39	3.136	0.628	53.05	25.66	0	0	0.25	17.95	19.57	15.96	15.82	16.28	10.68	1018.162	1018.192
6/28/2018 3:00	348	12.9	17.19	2.515333	0.604	48.58	15.09	0	0	0.25	16.81	17.97	15.63	16.01	16.61	14.19	1017.917	1018.037
6/28/2018 4:00	349	12.86	15.04	1.241333	0.239	1.994	43.75	0	0	0.25	14.53	16.18	13.61	16.59	17.99	15.23	1017.84	1017.905
6/28/2018 5:00	350	12.85	14.17	1.796667	0.617	58.42	13.44	0	0	0.25	14.48	16.21	13.28	14.45	19.01	14.25	1017.852	1017.821
6/28/2018 6:00	351	12.86	13.67	2.548	0.913	319.1	52.49	0	0	0.25	13.2	16.16	12.11	18.41	19.17	14.05	1018.284	1018.068
6/28/2018 7:00	352	12.94	17.12	2.417333	1.148	286.7	24.69	0	0	0.25	14.65	17.2	12.36	14.58	18.47	14.19	1018.443	1018.305
6/28/2018 8:00	353	13.25	22.66	4.802	1.801	142.5	69.04	0	0	0.25	20.23	22.88	16.8	12.44	15.13	11.92	1018.488	1018.518
6/28/2018 9:00	354	13.55	26.57	6.468	3.512	119.1	16.48	0	0	0.25	23.98	25.68	22.8	12.64	12.92	11.67	1018.521	1018.516
6/28/2018 10:00	355	13.49	30.4	8.82	3.902	132.4	20.29	0	0	0.25	27.98	30.23	25.67	10.32	12.76	10.18	1018.17	1018.333

6/28/2018 11:00	356	13.41	34.03	8.493333	4.145	206.3	35.75	0	0	0.25	31.51	32.42	29.91	7.261	10.59	6.479	1018.041	1018.103
6/28/2018 12:00	357	13.39	35.58	9.734667	4.21	224.2	27.42	0	0	0.25	32.31	33.18	31.67	7.2	8.17	5.439	1017.816	1017.866
6/28/2018 13:00	358	13.37	36.38	9.440666	4.688	223.8	26.99	0	0	0.25	32.84	33.45	31.93	6.028	7.85	4.985	1017.357	1017.579
6/28/2018 14:00	359	13.37	36.92	11.368	5.589	238.3	23.07	0	0	0.25	33.17	33.92	32.45	7.429	7.526	4.013	1016.816	1017.122
6/28/2018 15:00	360	13.34	37.49	10.51867	5.579	232.3	20.23	0	0	0.25	33.41	34.46	32.06	5.246	8.66	5.246	1016.337	1016.66
6/28/2018 16:00	361	13.33	37.51	10.64933	5.8	245.2	20.29	0	0	0.25	33.26	33.94	32.65	5.314	7.009	4.145	1016.042	1016.232
6/28/2018 17:00	362	13.24	36.89	10.74733	6.211	244.4	17.05	0	0	0.25	32.82	33.62	32.06	6.155	7.351	4.599	1015.709	1015.907
6/28/2018 18:00	363	13.34	34.77	10.22467	5.694	235.4	13.34	0	0	0.25	31.45	32.45	30.5	7.473	8.67	5.182	1015.447	1015.609
6/28/2018 19:00	364	13.33	33.65	8.003333	4.812	235.5	15.01	0	0	0.25	30.71	31.35	29.98	8.82	8.83	6.086	1015.426	1015.418
6/28/2018 20:00	365	13.17	30.63	7.546	4.163	238.7	10.87	0	0	0.25	28.74	30.07	27.25	9.99	10.2	8.29	1015.541	1015.474
6/28/2018 21:00	366	13.13	26.72	4.083333	1.596	227.2	17.13	0	0	0.25	25.64	27.32	24.44	12.45	12.46	9.98	1016.145	1015.787
6/28/2018 22:00	367	13.06	23.52	1.535333	0.185	54.31	32.41	0	0	0.25	23.08	24.51	21.37	14.46	14.96	12.38	1016.694	1016.382
6/28/2018 23:00	368	13.02	21.7	2.384667	0.713	52.79	8.46	0	0	0.25	20.85	22.08	19.48	17.06	17.64	14.26	1016.793	1016.743
6/29/2018 0:00	369	12.99	21.05	2.417333	1.38	57.38	19.76	0	0	0.25	20.63	21.9	19.29	20.65	20.7	15.7	1016.614	1016.703
6/29/2018 1:00	370	12.97	19.88	2.548	1.378	68.25	12.56	0	0	0.25	19.13	20.07	17.92	26.9	26.93	19.8	1016.644	1016.605
6/29/2018 2:00	371	12.93	19.46	2.221333	1.135	74.73	37.9	0	0	0.25	19.24	19.72	18.11	29.9	31.86	26.83	1016.681	1016.656
6/29/2018 3:00	372	12.9	17.63	1.764	0.443	33.55	57.31	0	0	0.25	17.22	19.16	16.15	33.93	34.75	29.83	1016.696	1016.624
6/29/2018 4:00	373	12.9	16.35	1.96	0.596	66.95	41.34	0	0	0.25	16.33	17.48	15.37	30.57	36.43	30.48	1016.645	1016.68
6/29/2018 5:00	374	12.87	18.33	4.9	1.878	105.1	16.8	0	0	0.25	18.56	19.55	17.39	30.54	31.02	27.48	1017.047	1016.781
6/29/2018 6:00	375	12.87	17.07	2.842	0.926	91.9	58.57	0	0	0.25	16.54	18.31	15.17	34.44	35.39	29.83	1017.663	1017.361
6/29/2018 7:00	376	12.94	19.68	5.553333	1.367	141	41.7	0	0	0.25	17.53	19.88	15.3	28.85	34.78	28.72	1017.82	1017.806
6/29/2018 8:00	377	13.21	23.03	6.827333	3.887	114.7	13.3	0	0	0.25	20.51	21.96	19.74	23.72	29.04	23.71	1017.932	1017.909
6/29/2018 9:00	378	13.56	26.24	8.950666	4.786	132.2	18.05	0	0	0.25	23.45	24.99	21.89	20.59	23.71	20.59	1017.942	1017.975
6/29/2018 10:00	379	13.52	28.37	9.506	5.41	149.2	17.18	0	0	0.25	25.43	26.64	24.57	19.49	21.51	18.18	1018.034	1017.974
6/29/2018 11:00	380	13.49	30.35	8.82	4.602	150.5	20.09	0	0	0.25	27.04	28.43	25.94	14.22	19.64	13.83	1017.916	1017.923
6/29/2018 12:00	381	13.43	31.79	9.702	4.749	156.7	21.66	0	0	0.25	28.51	29.45	27.76	11.75	15.17	11.49	1017.528	1017.701
6/29/2018 13:00	382	13.45	33.05	11.20467	4.704	206.7	32.37	0	0	0.25	29.43	30.31	28.74	8.52	12.48	6.992	1017.191	1017.439
6/29/2018 14:00	383	13.41	33.74	9.440666	4.351	223.8	37.14	0	0	0.25	29.46	30.47	28.48	10.32	10.6	8.16	1017.065	1017.102
6/29/2018 15:00	384	13.38	34.67	12.38067	4.227	212.9	29.43	0	0	0.25	30.19	31	29.2	9.93	10.72	8.89	1016.73	1016.83
6/29/2018 16:00	385	13.34	34.71	9.342667	4.945	231.2	23.36	0	0	0.25	30.07	30.95	29.46	8.77	10.27	8.31	1016.137	1016.372
6/29/2018 17:00	386	13.35	34.26	8.395333	4.582	245.1	24.05	0	0	0.25	29.75	30.43	29.32	9.14	10.14	8.68	1015.753	1015.917
6/29/2018 18:00	387	13.37	33.57	7.448	4.148	235.1	18.96	0	0	0.25	29.47	30.01	28.93	10.18	10.77	8.81	1015.48	1015.6
6/29/2018 19:00	388	13.33	31.85	8.656667	4.571	242.7	15.6	0	0	0.25	28.52	29.29	27.7	11.35	11.47	9.66	1015.794	1015.612
6/29/2018 20:00	389	13.17	28.76	6.696667	3.903	244.3	10.17	0	0	0.25	26.63	27.77	25.09	13.5	13.56	11.22	1016.218	1015.977
6/29/2018 21:00	390	13.13	24.59	1.96	0.685	255	31.23	0	0	0.25	23.45	25.13	21.9	16.25	16.25	13.49	1016.621	1016.397
6/29/2018 22:00	391	13.08	21.82	2.352	0.369	42.11	19.43	0	0	0.25	20.93	21.92	19.55	19.61	19.68	16.29	1017.156	1016.865
6/29/2018 23:00	392	13.02	20.53	2.352	0.706	54.18	11.25	0	0	0.25	19.56	20.34	18.57	22.53	22.53	19.34	1017.248	1017.171
6/30/2018 0:00	393	13.01	18.66	1.764	0.256	30.6	30.98	0	0	0.25	17.91	18.71	17.33	24.42	24.8	22.46	1017.432	1017.376
6/30/2018 1:00	394	12.97	17.74	2.221333	0.292	49.13	7.957	0	0	0.25	17	18.36	15.7	28.91	29.13	23.51	1017.558	1017.508
6/30/2018 2:00	395	12.94	16.33	1.274	0.3	36.47	21.35	0	0	0.25	15.71	16.56	15.37	29.83	30.11	27.34	1017.834	1017.68
6/30/2018 3:00	396	12.92	15.58	1.764	0.561	336.8	51.9	0	0	0.25	15.36	16.58	14.46	30.02	32.21	28.45	1017.739	1017.806
6/30/2018 4:00	397	12.9	14.66	2.058	0.989	311.5	29.8	0	0	0.25	13.83	15.99	13.28	33.33	33.73	29.49	1018.214	1017.974
6/30/2018 5:00	398	12.85	13.55	2.058	0.95	323.3	38.7	0	0	0.25	12.75	13.36	12.11	34.43	35.88	32.16	1018.808	1018.395
6/30/2018 6:00	399	12.85	13.08	1.666	0.454	6.69	33.43	0	0	0.25	12.69	13.29	12.24	36.98	37.49	34.17	1019.58	1019.087
6/30/2018 7:00	400	12.94	16.85	1.633333	0.401	305.2	74.81	0	0	0.25	14.96	16.11	12.5	28.88	36.91	28.12	1020.036	1019.788
6/30/2018 8:00	401	13.25	21.42	4.932666	2.032	122.7	44.92	0	0	0.25	18.73	20.23	15.89	28.85	29.42	25.26	1020.38	1020.273
6/30/2018 9:00	402	13.57	24.51	5.357333	3.095	108.9	17.14	0	0	0.25	21.32	22.95	20.13	24.95	30.55	24.95	1020.29	1020.344
6/30/2018 10:00	403	13.53	27.76	4.540667	2.205	113.8	27	0	0	0.25	24.02	25.68	22.81	16.49	25.1	16.1	1020.047	1020.176
6/30/2018 11:00	404	13.48	30.69	4.671333	1.919	131.8	63.42	0	0	0.25	26.44	27.6	24.89	15.52	17.23	14.67	1019.918	1020.052
6/30/2018 12:00	405	13.45	32.89	6.990667	1.829	129.6	59.69	0	0	0.25	28.19	29.49	26.52	12.66	16.06	12.4	1019.593	1019.74
6/30/2018 13:00	406	13.41	33.7	5.455333	1.974	113.2	66.4	0	0	0.25	28.76	29.94	27.89	11.7	13.41	11.55	1019.151	1019.385
6/30/2018 14:00	407	13.34	35.22	5.161334	1.881	153.5	78.16	0	0	0.25	29.97	31.22	28.87	11.16	12.53	10.19	1018.669	1018.907



6/30/2018 15:00	408	13.34	36.37	6.108666	1.98	158.5	79.88	0	0	0.25	30.75	31.97	29.72	9.93	11.51	9.6	1018.129	1018.39
6/30/2018 16:00	409	13.37	36.87	6.664	2.504	168.7	56.12	0	0	0.25	31.49	31.99	30.89	9.56	10.32	9.41	1017.558	1017.892
6/30/2018 17:00	410	13.24	36.74	6.468	2.613	145.8	46.98	0	0	0.25	31.71	32.58	30.76	9.93	10.25	9.34	1017.092	1017.305
6/30/2018 18:00	411	13.31	35.59	8.003333	3.81	139.7	22.53	0	0	0.25	31.4	32.33	30.76	11.62	12.23	9.74	1017.131	1017.023
6/30/2018 19:00	412	13.33	33.59	7.644	3.886	161.4	19.95	0	0	0.25	30.28	31.27	29.46	12.47	12.54	11.29	1017.262	1017.179
6/30/2018 20:00	413	13.17	30.34	7.578667	3.51	209.4	20.08	0	0	0.25	28.28	29.66	27.11	13.82	14	12.46	1017.949	1017.568
6/30/2018 21:00	414	13.13	27.39	5.292	1.892	259.6	42.27	0	0	0.25	26.1	27.17	24.9	14.54	14.7	13.56	1018.702	1018.309
6/30/2018 22:00	415	13.09	24.93	2.972667	1.334	352.7	20.85	0	0	0.25	24.11	25.15	22.75	15.57	16.42	14.27	1019.353	1019.059
6/30/2018 23:00	416	13.06	23.86	5.88	1.27	317.1	40.4	0	0	0.25	23.62	24.57	22.88	16.29	16.37	14.73	1019.747	1019.503
7/1/2018 0:00	417	13.02	21.39	2.188667	0.599	40.94	49.72	0	0	0.25	20.54	23.26	18.24	21.95	22.05	16.29	1019.95	1019.907
7/1/2018 1:00	418	12.98	19.3	2.319333	1.172	56.27	9.33	0	0	0	17.97	18.72	17.2	22.98	23.72	21.49	1019.775	1019.909
7/1/2018 2:00	419	12.94	17.69	1.372	0.38	46.06	24.88	0	0	0	16.62	17.66	15.96	25	25.39	22.99	1019.72	1019.702
7/1/2018 3:00	420	12.9	16.73	2.254	0.949	53.08	9.7	0	0	0	15.84	16.93	14.98	23.64	27.22	23.31	1019.987	1019.837
7/1/2018 4:00	421	12.88	15.67	1.796667	0.405	50.72	16.81	0	0	0	14.95	16.75	13.93	27.02	27.33	23.57	1020.356	1020.052
7/1/2018 5:00	422	12.86	13.89	3.103333	0.258	300.9	32.43	0	0	0	13.41	14.42	12.95	27.86	29.11	26.49	1020.799	1020.515
7/1/2018 6:00	423	12.86	14.08	2.809333	1.152	317.5	16.12	0	0	0	13.41	13.97	13.02	28.32	29.03	27.6	1021.312	1021.046
7/1/2018 7:00	424	12.94	17.92	2.254	1.131	289.1	20.44	0	0	0	15.88	17.39	13.48	22.85	28.78	22.66	1021.692	1021.534
7/1/2018 8:00	425	13.25	22.47	2.482667	1.204	261.5	20.87	0	0	0	19.42	21.92	17.26	16.74	22.93	16.48	1021.907	1021.842
7/1/2018 9:00	426	13.54	27.38	1.96	0.775	152.5	46.16	0	0	0	24.27	26.28	21.76	12.52	16.86	12.45	1021.786	1021.893
7/1/2018 10:00	427	13.44	30.88	4.344666	1.553	254.3	36.54	0	0	0	26.75	27.98	25.74	12.33	13.19	11.48	1021.547	1021.619
7/1/2018 11:00	428	13.41	33.31	5.978	2.089	240.5	52.5	0	0	0	29	30.31	27.63	11.68	12.62	11.16	1021.385	1021.463
7/1/2018 12:00	429	13.41	35.05	5.422667	2.375	262.5	40.57	0	0	0	30.38	31.21	29.52	10.19	11.82	10.06	1020.989	1021.233
7/1/2018 13:00	430	13.34	36.56	5.357333	1.868	221.9	59.54	0	0	0	31.87	32.64	30.5	9.48	10.61	9.28	1020.474	1020.759
7/1/2018 14:00	431	13.34	37.71	6.435333	2.585	261.5	68.93	0	0	0	32.84	33.89	32.06	8.5	9.69	8.11	1019.809	1020.141
7/1/2018 15:00	432	13.33	38.58	6.794667	2.211	140.3	50.7	0	0	0	33.49	34.72	32.45	8.31	9.07	7.982	1019.089	1019.487
7/1/2018 16:00	433	8.51	39.51	6.729333	2.483	156.5	67.77	0	0	0	34.34	35.21	33.3	8.78	9	7.852	1018.554	1018.79
7/1/2018 17:00	434	13.29	39.12	8.101333	3.672	250.8	36.01	0	0	0	34.25	34.96	33.56	9.01	9.17	8.31	1018.24	1018.413
7/1/2018 18:00	435	13.29	37.38	9.408	5.524	258.1	14.8	0	0	0	33.31	34.22	32.52	9.61	9.88	8.89	1018.372	1018.234
7/1/2018 19:00	436	13.29	35.25	8.722	5.397	245.2	16.42	0	0	0	31.96	32.84	30.96	11.42	11.51	9.6	1018.731	1018.522
7/1/2018 20:00	437	13.18	31.93	7.938	4.493	242.7	11.48	0	0	0	29.77	31.02	28.55	13.44	13.58	11.29	1019.099	1018.934
7/1/2018 21:00	438	13.14	28.55	6.108666	1.839	307.3	33.95	0	0	0	27.27	28.76	26.2	16.1	16.18	13.37	1019.78	1019.476
7/1/2018 22:00	439	13.06	26.62	2.874667	1.528	325.8	18.48	0	0	0	25.89	26.45	25.35	17.22	17.66	16.1	1020.199	1019.996
7/1/2018 23:00	440	13.02	25.03	2.94	0.96	335.2	48.48	0	0	0	24.46	25.87	21.11	22.4	22.41	17.21	1020.451	1020.3
7/2/2018 0:00	441	12.98	22.61	2.090667	0.323	43.62	23.84	0	0	0	21.58	22.67	20.01	24.24	24.24	21.17	1020.573	1020.459
7/2/2018 1:00	442	12.95	20.93	2.384667	0.778	58.43	17.74	0	0	0	19.84	21.07	18.31	26.24	26.58	22.93	1020.241	1020.457
7/2/2018 2:00	443	12.93	19.15	1.339333	0.208	49.36	27.1	0	0	0	18.1	18.84	16.74	28.72	28.9	25.72	1020.258	1020.234
7/2/2018 3:00	444	12.9	17.36	0.882	0.078	54.41	3.158	0	0	0	16.77	17.4	16.15	29.34	29.76	27.48	1020.189	1020.21
7/2/2018 4:00	445	12.87	16.35	1.764	0.178	47.23	9.71	0	0	0	15.95	17.58	14.98	29.95	31.39	26.89	1020.195	1020.233
7/2/2018 5:00	446	12.86	15.09	1.731333	0.209	355.4	44.78	0	0	0	14.58	15.85	13.48	33.79	34.11	29.24	1020.448	1020.283
7/2/2018 6:00	447	12.85	14.44	2.156	0.724	305.8	26.74	0	0	0	13.55	14	13.28	33.27	34.88	32.94	1020.785	1020.571
7/2/2018 7:00	448	12.94	17.74	1.731333	0.873	302.1	20.21	0	0	0	15.16	17.71	13.48	26.69	33.63	26.56	1021.034	1020.918
7/2/2018 8:00	449	13.26	22.65	2.319333	1.064	243.7	49.49	0	0	0	19.65	22.92	17.65	18.11	26.93	18.11	1021.107	1021.025
7/2/2018 9:00	450	13.52	26.81	5.096	2.479	119.7	20.58	0	0	0	23.91	25.19	22.74	14.9	18.58	14.66	1020.945	1021.049
7/2/2018 10:00	451	13.48	29.76	4.965333	2.67	121.8	24.62	0	0	0	26.36	28.12	25.09	14.41	15.63	14.34	1020.624	1020.82
7/2/2018 11:00	452	13.44	32.82	5.063334	2.248	119.3	32.25	0	0	0	28.96	30.62	27.5	12.14	15.15	12.01	1020.408	1020.543
7/2/2018 12:00	453	13.35	35.37	5.161334	2.035	138.8	48.19	0	0	0	31.43	32.79	30.3	10.06	12.59	9.8	1019.742	1020.108
7/2/2018 13:00	454	13.33	36.74	7.35	2.964	130.1	36.07	0	0	0	32.86	34.19	31.8	9.1	10.68	9.02	1018.887	1019.336
7/2/2018 14:00	455	13.34	37.82	10.388	4.099	132.6	27.73	0	0	0	33.84	35.13	33.11	8.79	9.45	8.24	1018.094	1018.596
7/2/2018 15:00	456	13.33	38.42	8.297333	3.5	191	47.76	0	0	0	34.44	35.64	33.24	8.14	8.93	8.05	1017.723	1018.045
7/2/2018 16:00	457	10.2	38.53	10.29	4.189	174.2	24.88	0	0	0	34.55	35.18	33.89	6.987	8.32	6.942	1017.573	1017.687
7/2/2018 17:00	458	13.32	38.16	9.995999	4.675	214.4	28.18	0	0	0	34.11	35.27	32.98	7.786	7.964	6.879	1017.097	1017.342
7/2/2018 18:00	459	12.3	36.62	10.12667	5.538	242.1	13.23	0	0	0	32.64	33.42	31.94	8.42	8.6	7.783	1017.003	1017.003

7/2/2018 19:00	460	13.3	34.64	8.493333	5.092	243.1	12.57	0	0	0	31.41	32.13	30.63	8.62	8.8	8.1	1017.251	1017.129
7/2/2018 20:00	461	13.17	31.31	5.847333	3.534	238.3	11.07	0	0	0	29.36	30.69	27.9	9.99	10.22	8.62	1017.697	1017.431
7/2/2018 21:00	462	13.13	27.16	3.234	0.869	242.6	61.68	0	0	0	26.39	28.04	24.9	11.8	11.85	9.98	1018.195	1017.903
7/2/2018 22:00	463	13.06	24.06	1.829333	0.557	52.46	15.03	0	0	0	23.25	24.96	22.16	12.97	13.89	11.8	1018.521	1018.379
7/2/2018 23:00	464	13.01	22.26	2.025333	0.523	7.488	35.87	0	0	0	22.11	23.97	20.66	12.38	14.84	11.6	1018.482	1018.495
7/3/2018 0:00	465	12.98	20.61	1.666	0.398	24.38	20.66	0	0	0	20.54	23.04	19.22	15.24	15.65	12.38	1018.659	1018.593
7/3/2018 1:00	466	12.94	19.54	2.646	1.198	59.24	13.96	0	0	0	19.29	20.28	18.11	16.34	17.05	14.65	1018.664	1018.714
7/3/2018 2:00	467	12.93	17.52	2.286667	0.783	52.07	8.96	0	0	0	16.64	18.66	15.11	16.6	20.09	16.15	1018.594	1018.627
7/3/2018 3:00	468	12.89	17.2	2.580667	1.493	64.46	13.32	0	0	0	16.95	17.96	15.63	16.94	19	16.4	1018.635	1018.595
7/3/2018 4:00	469	12.87	16.49	2.352	1.194	58.51	9.62	0	0	0	16.6	17.26	15.76	15.95	17.94	15.94	1018.708	1018.706
7/3/2018 5:00	470	12.86	14.76	2.515333	0.375	33.38	47.58	0	0	0	14.5	17.48	12.96	20.89	21	15.88	1018.972	1018.811
7/3/2018 6:00	471	12.86	13.62	1.829333	0.515	19.83	39.63	0	0	0	13.15	14.13	12.57	19.85	21.72	19.45	1019.373	1019.127
7/3/2018 7:00	472	12.94	17.17	1.992667	0.397	64.66	59.87	0	0	0	15.44	17.7	13.22	17.57	20.96	16.6	1019.608	1019.528
7/3/2018 8:00	473	13.22	22.67	4.442667	2.054	123.6	26.97	0	0	0	20.61	22.3	16.81	11.53	17.96	11.46	1019.897	1019.825
7/3/2018 9:00	474	13.56	26.3	7.023333	3.847	113.2	14.82	0	0	0	23.64	25.41	22.03	10.19	11.8	10.04	1019.729	1019.803
7/3/2018 10:00	475	13.49	29.49	7.546	4.346	126.5	20.14	0	0	0	26.81	28.65	25.28	11.61	12.17	10.1	1019.62	1019.63
7/3/2018 11:00	476	13.45	32.36	9.538667	4.714	154.8	25.56	0	0	0	29.76	31.15	27.9	10.78	12.14	10.58	1019.388	1019.502
7/3/2018 12:00	477	13.41	33.96	9.8	5.08	165.6	21.16	0	0	0	31.08	32.12	30.3	9.54	11.32	9.34	1019.248	1019.325
7/3/2018 13:00	478	13.36	34.83	15.64733	5.34	186	23.67	0	0	0	31.81	32.42	30.89	9.54	9.81	8.3	1018.973	1019.105
7/3/2018 14:00	479	13.37	35.62	11.23733	5.158	202.1	24.21	0	0	0	31.96	32.72	31.35	8.95	9.79	8.43	1018.773	1018.761
7/3/2018 15:00	480	13.37	36.03	15.32067	4.904	182.5	30.88	0	0	0	32.1	32.81	31.35	7.225	9.49	6.872	1018.256	1018.395
7/3/2018 16:00	481	13.33	36.36	11.10667	4.948	199.3	23.5	0	0	0	32.42	33.13	31.41	6.612	7.431	5.896	1017.978	1018.133
7/3/2018 17:00	482	13.33	35.95	10.25733	4.365	185.1	26.1	0	0	0	32.11	32.85	31.67	7.261	7.661	6.48	1017.712	1017.83
7/3/2018 18:00	483	13.33	34.92	8.395333	4.451	190.7	21.64	0	0	0	31.33	32.06	30.63	7.778	7.952	6.803	1017.746	1017.707
7/3/2018 19:00	484	13.33	33.16	7.546	3.643	182	19.36	0	0	0	30.14	30.89	29.33	8.2	8.64	6.931	1017.931	1017.883
7/3/2018 20:00	485	13.18	29.78	5.912666	2.645	166.4	15.36	0	0	0	27.79	29.43	26.07	10.5	10.57	8.03	1018.37	1018.114
7/3/2018 21:00	486	13.14	25.64	2.972667	1.227	96.6	27.18	0	0	0	24.38	26.14	23.85	11.67	11.94	10.5	1019.097	1018.691
7/3/2018 22:00	487	13.05	23.78	2.025333	1.103	57.7	10.85	0	0	0	23.44	24.39	22.42	12.53	12.9	11.47	1019.418	1019.265
7/3/2018 23:00	488	13.02	22.42	2.188667	1.314	74.13	15.92	0	0	0	21.92	23.01	19.94	13.82	14.99	12.38	1019.724	1019.573
7/4/2018 0:00	489	13.01	21.99	3.332	1.585	101.3	11.4	0	0	0	21.58	22.02	21.11	18.05	18.05	13.75	1020.024	1019.881
7/4/2018 1:00	490	12.98	20.71	2.548	1.227	86.6	36.02	0	0	0	20.13	21.24	19.09	19.86	20.51	17	1020.058	1020.085
7/4/2018 2:00	491	12.93	18.59	2.45	0.647	63.42	13.71	0	0	0	17.88	19.65	16.15	24.74	24.82	19.47	1020.366	1020.226
7/4/2018 3:00	492	12.9	16.9	1.143333	0.29	58.69	19.31	0	0	0	17.12	17.78	16.35	25.78	26.53	24.16	1020.65	1020.471
7/4/2018 4:00	493	12.88	16.45	1.47	0.506	59.33	6.323	0	0	0	16.86	17.72	16.22	28.13	28.29	25.46	1020.8	1020.698
7/4/2018 5:00	494	12.85	14.91	1.633333	0.435	14.08	51.75	0	0	0	14.4	17.08	12.89	34.69	34.96	26.83	1021.397	1021.079
7/4/2018 6:00	495	12.86	13.4	2.058	0.366	325.6	47.64	0	0	0	12.53	13.06	11.98	31.7	37.61	31.7	1022.127	1021.721
7/4/2018 7:00	496	12.93	17.57	1.796667	0.431	280.8	33.21	0	0	0	15.72	18	12.76	25.85	31.64	25.46	1022.722	1022.395
7/4/2018 8:00	497	13.25	22.77	4.671333	1.961	112	19.23	0	0	0	20.58	22.54	17.98	25.15	26.49	24.68	1023.013	1022.991
7/4/2018 9:00	498	13.56	26.39	5.88	3.516	109.2	16.04	0	0	0	23.58	24.7	22.29	19.74	25.55	19.68	1022.992	1023.023
7/4/2018 10:00	499	13.5	29.27	7.284667	3.815	127.8	21.51	0	0	0	26.24	27.77	24.7	15.73	19.75	15.32	1022.956	1022.981
7/4/2018 11:00	500	13.45	31.67	9.016	3.9	131.2	24.48	0	0	0	28.33	29.4	27.25	15.2	16.2	14.87	1022.666	1022.868
7/4/2018 12:00	501	13.39	33.94	9.767333	4.125	156.4	26.53	0	0	0	30.58	31.55	28.87	13.45	16.18	12.21	1022.48	1022.591
7/4/2018 13:00	502	13.4	35.11	10.71467	4.205	179.1	22.91	0	0	0	31.71	32.41	30.7	13.84	14.05	12.66	1022.4	1022.42
7/4/2018 14:00	503	13.37	35.82	9.963333	4.476	180.2	20.5	0	0	0	32.15	32.92	31.67	12.8	14.05	12.6	1022.052	1022.231
7/4/2018 15:00	504	13.37	36.65	9.212	4.394	183.2	26.38	0	0	0	32.53	33.38	31.41	14.17	14.27	12.6	1021.928	1022.004
7/4/2018 16:00	505	13.32	37.02	9.767333	4.27	186.4	27.79	0	0	0	32.63	33.62	31.61	14.3	14.77	13.06	1021.544	1021.701
7/4/2018 17:00	506	13.32	36.39	8.983333	3.866	177.3	22.16	0	0	0	32.18	33.25	30.96	15.73	15.9	13.97	1021.458	1021.516
7/4/2018 18:00	507	13.33	35.49	6.86	3.662	183.6	17.57	0	0	0	31.52	32.4	30.76	15.53	15.9	14.42	1021.28	1021.303
7/4/2018 19:00	508	13.33	34.73	5.945333	3.274	191.1	23.26	0	0	0	31.19	31.81	30.11	16.76	16.84	15.16	1021.482	1021.274
7/4/2018 20:00	509	13.1	30.95	5.292	2.032	197.3	14.96	0	0	0	28.79	30.22	27.18	19.56	19.75	16.63	1021.756	1021.596
7/4/2018 21:00	510	13.13	27.22	2.156	0.334	28.38	69.6	0	0	0	26	27.31	25.02	21.44	22.18	19.56	1022.365	1022.031
7/4/2018 22:00	511	13.07	25.69	2.45	0.98	0.099	16.87	0	0	0	25.05	26.01	23.99	22.48	22.82	20.66	1023.003	1022.658

7/4/2018 23:00	512	13.04	24.19	1.829333	0.762	4.29	13.8	0	0	0	23.89	24.77	23	23.39	23.55	21.5	1023.209	1023.084
7/5/2018 0:00	513	13.02	23.25	1.698667	0.777	0.522	11.88	0	0	0	23.08	23.68	22.61	23.91	23.99	22.67	1023.388	1023.294
7/5/2018 1:00	514	12.98	21.79	1.208667	0.171	24.12	32.41	0	0	0	21.61	22.92	20.27	28.14	28.21	23.84	1023.546	1023.449
7/5/2018 2:00	515	12.94	20.06	1.731333	0.44	302.4	23.3	0	0	0	19.39	20.4	18.57	30.42	30.51	28.15	1023.594	1023.564
7/5/2018 3:00	516	12.94	19.25	2.482667	1.379	318.3	14.37	0	0	0	18.13	18.75	17.65	30.22	30.55	29.3	1023.762	1023.744
7/5/2018 4:00	517	12.89	18.3	1.96	1.066	323.7	12.3	0	0	0	17.27	17.72	16.81	31.81	31.88	30.22	1024.257	1024.006
7/5/2018 5:00	518	12.86	17.58	2.286667	0.82	315.1	26.41	0	0	0	16.77	17.59	15.7	34.25	35.82	30.67	1024.618	1024.412
7/5/2018 6:00	519	12.86	16.98	3.038	1.269	316.2	14.07	0	0	0	15.88	16.35	15.38	33.08	36.8	33.01	1024.882	1024.784
7/5/2018 7:00	520	12.94	18.77	2.94	1.42	296.8	17.15	0	0	0	16.66	17.92	16.28	30.22	33.63	30.21	1025.334	1025.115
7/5/2018 8:00	521	13.2	23.61	2.809333	1.359	279.3	21.63	0	0	0	20.36	23.33	17.91	23.45	30.27	23.39	1025.618	1025.465
7/5/2018 9:00	522	13.52	29.02	2.482667	0.934	257.8	45.65	0	0	0	25.13	27.55	23.2	19.15	23.74	19.04	1025.548	1025.636
7/5/2018 10:00	523	13.44	33.52	2.809333	0.912	134.4	73.87	0	0	0	29.86	31.74	27.5	17.03	19.1	16.12	1025.148	1025.359
7/5/2018 11:00	524	13.39	36.04	5.749333	2.073	163	74.82	0	0	0	31.88	32.98	30.89	15.27	17.29	14.75	1025.017	1025.087
7/5/2018 12:00	525	13.34	37.81	7.546	2.804	148	38.47	0	0	0	33.9	35.38	32.45	13.35	15.27	12.8	1024.512	1024.755
7/5/2018 13:00	526	13.32	38.82	6.402667	2.035	173.3	59.98	0	0	0	34.2	35.63	33.17	14.5	14.59	12.93	1024.204	1024.428
7/5/2018 14:00	527	13.3	39.99	7.252	2.43	159.7	74.84	0	0	0	34.69	36.65	33.43	13.84	14.6	12.09	1023.86	1024.026
7/5/2018 15:00	528	13.29	40.32	5.128666	2.123	260.9	71.11	0	0	0	34.77	36.1	33.56	12.61	14.78	12.49	1023.342	1023.63
7/5/2018 16:00	529	13.27	41.76	4.802	1.709	199.6	63.3	0	0	0	36.01	36.65	35.26	12.23	12.98	11.63	1022.892	1023.108
7/5/2018 17:00	530	13.26	41.16	5.749333	1.933	203.4	77.36	0	0	0	35.67	36.56	34.54	12.83	13.21	10.66	1022.403	1022.646
7/5/2018 18:00	531	13.26	40.14	5.292	2.265	269.5	32.48	0	0	0	35.45	36	34.93	12.27	13.1	10.92	1021.997	1022.182
7/5/2018 19:00	532	13.26	38.25	6.566	3.097	276.7	21.04	0	0	0	34.81	35.63	34.22	13.52	13.8	11.7	1022.211	1022.011
7/5/2018 20:00	533	13.14	35.11	6.86	3.282	304.8	19.17	0	0	0	32.97	34.27	31.61	14.36	14.47	13.45	1022.766	1022.45
7/5/2018 21:00	534	13.13	32.55	5.422667	2.445	327.5	20.81	0	0	0	30.95	31.62	29.79	15.79	15.86	14.29	1023.692	1023.2
7/5/2018 22:00	535	13.07	30.8	4.769333	2.254	328.9	21.56	0	0	0	29.61	29.85	29.33	15.72	16.31	15.64	1024.518	1024.044
7/5/2018 23:00	536	13.01	28.14	3.560667	1.377	286.4	27.9	0	0	0	26.63	29.72	25.68	18.97	19.45	15.66	1024.865	1024.716
7/6/2018 0:00	537	12.96	25.98	2.254	0.893	23.87	51.08	0	0	0	24.93	25.78	24.05	20.27	20.8	18.57	1025.184	1025.13
7/6/2018 1:00	538	12.93	24.22	1.502667	0.317	23.57	50.29	0	0	0	23.33	24.89	21.7	27.63	28.49	20.01	1025.08	1025.137
7/6/2018 2:00	539	12.93	22.69	1.731333	0.632	325.5	35.53	0	0	0	22.19	23.01	21.31	23.33	30.5	23.33	1025.087	1025.017
7/6/2018 3:00	540	12.9	21.96	3.038	0.815	326.3	40.34	0	0	0	21.48	22.9	20.33	26.12	33.55	22.93	1025.349	1025.27
7/6/2018 4:00	541	12.89	21.08	2.188667	1.019	304.4	30.1	0	0	0	20.14	21.05	19.36	28.92	29.32	25.21	1025.639	1025.484
7/6/2018 5:00	542	12.89	19.85	2.058	0.788	293.7	38.37	0	0	0	18.65	20.07	17.4	32.5	32.5	27.48	1025.857	1025.72
7/6/2018 6:00	543	12.86	19.05	2.646	1.087	319.2	18.53	0	0	0	17.54	17.89	17.14	32.51	33.85	30.61	1026.604	1026.243
7/6/2018 7:00	544	12.93	21.84	2.482667	1.316	299.1	23.35	0	0	0	19.25	21.24	17.46	28.14	32.37	27.94	1027.146	1026.87
7/6/2018 8:00	545	13.25	26.43	2.678667	1.322	275.4	18.25	0	0	0	23.09	25.65	21.11	25.35	28.28	24.89	1027.196	1027.193
7/6/2018 9:00	546	13.46	31.21	3.92	1.669	164.6	32.45	0	0	0	28.24	29.16	25.55	24.64	25.88	23.27	1027.188	1027.246
7/6/2018 10:00	547	13.41	33.6	5.226666	2	123.1	43.68	0	0	0	29.57	31.08	28.48	22.96	26.38	22.89	1026.714	1026.92
7/6/2018 11:00	548	10.21	35.91	5.618666	2.168	133.8	47.87	0	0	0	31.46	32.52	30.63	20.87	23.84	20.81	1026.316	1026.507
7/6/2018 12:00	549	13.37	37.8	5.978	2.335	167.6	42.42	0	0	0	33.23	34.56	32.2	18.6	20.96	17.95	1025.518	1025.996
7/6/2018 13:00	550	13.33	39.19	6.500667	2.657	184.4	38.36	0	0	0	34.69	35.58	33.83	17.69	19.06	16.71	1024.652	1025.149
7/6/2018 14:00	551	13.29	39.92	10.32267	2.657	145.4	62.07	0	0	0	34.71	36.04	32.39	23.42	23.42	16.32	1024.075	1024.177
7/6/2018 15:00	552	13.3	34	11.368	5.507	73.27	17.99	0	0	0	30.56	33.64	28.48	29.46	33.83	22.11	1024.043	1024.161
7/6/2018 16:00	553	13.38	34.07	10.32267	2.991	50.64	30.05	0	0	0	30.51	31.93	28.87	21.26	29.54	20.15	1023.375	1023.668
7/6/2018 17:00	554	13.37	34.15	6.043334	1.611	44.21	63.34	0	0	0	30.93	31.95	30.18	27.93	29.09	20.02	1023.363	1023.29
7/6/2018 18:00	555	13.37	32.69	7.186667	2.513	139.7	18.55	0	0	0	29.75	30.43	29.33	28.17	32.24	26.53	1023.427	1023.394
7/6/2018 19:00	556	13.22	31.18	3.495333	1.698	116.1	22.96	0	0	0	28.63	30.09	27.11	38.97	39.04	26.47	1023.557	1023.49
7/6/2018 20:00	557	13.12	29.01	2.254	0.926	53.54	45.99	0	0	0	27	27.24	26.79	34.93	39.03	33.95	1023.351	1023.419
7/6/2018 21:00	558	13.09	28.16	1.764	0.639	333	39.59	0	0	0	26.7	27.2	25.61	37.01	37.16	33.76	1023.823	1023.504
7/6/2018 22:00	559	13.06	26.23	2.548	1.128	97.4	17.62	0	0	0	24.62	25.88	23.53	49.12	49.39	35.32	1024.415	1024.201
7/6/2018 23:00	560	13.01	24.31	2.058	1.091	71.15	17.87	0	0	0	22.59	23.6	21.96	53.35	55.44	48.27	1024.248	1024.417
7/7/2018 0:00	561	12.98	23.07	2.090667	0.813	56.1	13.12	0	0	0	21.5	22.09	20.92	51.53	56.13	49.25	1024.289	1024.319
7/7/2018 1:00	562	12.94	22.09	1.176	0.207	19.3	49.04	0	0	0	20.85	21.7	20.2	54.85	56.17	51.53	1024.034	1024.203
7/7/2018 2:00	563	12.94	21.56	1.502667	0.523	60.46	22.5	0	0	0	20.45	21	20.01	53.87	55.49	49.11	1024.23	1024.142

7/7/2018 3:00	564	12.9	20.81	1.502667	0.313	52.09	8.01	0	0	0	19.59	20.53	18.89	57.91	58.43	51.66	1024.258	1024.203
7/7/2018 4:00	565	12.9	19.69	0.98	0.083	33.58	30.74	0	0	0	18.43	19.28	17.98	61.51	62	56.47	1024.422	1024.289
7/7/2018 5:00	566	12.86	19.09	0.8493333	0.136	4.102	6.854	0	0	0	17.99	18.79	17.4	63.38	63.9	59.2	1024.546	1024.449
7/7/2018 6:00	567	12.86	18.44	0.784	0.098	336.8	13.01	0	0	0	17.26	17.59	17.07	63.96	65.84	63.12	1024.586	1024.656
7/7/2018 7:00	568	12.93	21.04	1.568	0.816	271.4	12.3	0	0	0	18.51	20.2	17.46	50.41	64.03	49.96	1024.935	1024.747
7/7/2018 8:00	569	13.25	26.3	1.47	0.428	193.8	56.67	0	0	0	23.04	25.35	20.14	40.68	50.88	40.26	1025.297	1025.117
7/7/2018 9:00	570	13.49	30.37	4.998	1.567	127.2	27.79	0	0	0	26.84	28.09	25.22	33.3	40.66	33.24	1025.131	1025.25
7/7/2018 10:00	571	13.44	32.88	5.782	2.971	111.3	21.12	0	0	0	29.12	30.26	28.03	26.8	33.24	26.66	1024.8	1024.963
7/7/2018 11:00	572	13.38	35.5	5.88	2.559	110.9	36.82	0	0	0	31.37	32.78	29.98	21.13	27.15	21.13	1024.474	1024.684
7/7/2018 12:00	573	13.33	37.66	6.174	2.323	149.2	58.66	0	0	0	33.02	33.9	32	19.71	21.88	19.51	1023.727	1024.101
7/7/2018 13:00	574	10.19	38.05	5.488	2.143	163.2	70.96	0	0	0	33.23	34.38	32.39	21.33	21.79	19.38	1022.892	1023.293
7/7/2018 14:00	575	13.33	37.11	6.794667	3.272	235.1	35.49	0	0	0	32.8	33.78	32.13	20.61	25.45	20.22	1021.959	1022.556
7/7/2018 15:00	576	12.52	38.24	6.533333	2.272	262.4	58.48	0	0	0	33.43	34.15	32.33	21.73	21.73	18.4	1021.945	1021.776
7/7/2018 16:00	577	13.2	25.85	8.068666	3.632	303.8	53.27	0.33	0.33	0.33	23.2	32.33	20.72	69.96	76.67	21.72	1023.705	1022.989
7/7/2018 17:00	578	13.14	22.82	4.704	1.499	58.79	45.93	0.08	0.4099999	0.4099999	20.84	22.09	19.55	81	85.5	61.17	1023.695	1024.001
7/7/2018 18:00	579	13.17	22.93	2.842	1.008	65.73	39.65	0.03	0.4399998	0.4399998	20.99	21.57	20.4	76.86	83.9	69.18	1022.159	1022.883
7/7/2018 19:00	580	13.13	23.41	3.691333	0.762	341.7	58.24	0	0.4399998	0.4399998	21.74	21.98	21.38	81	82.6	68.14	1022.422	1022.247
7/7/2018 20:00	581	13.03	23.12	3.854666	1.384	298.6	14.8	0	0.4399998	0.4399998	21.24	21.57	21.05	79.49	81.2	74.26	1022.738	1022.628
7/7/2018 21:00	582	13.02	22.92	3.495333	1.484	301.2	20.93	0	0.4399998	0.4399998	21.7	22.35	20.98	62.68	80	54.27	1022.942	1022.707
7/7/2018 22:00	583	12.98	23.19	5.749333	2.014	320.1	24.55	0	0.4399998	0.4399998	22.13	23.68	21.05	45.48	66.16	44.37	1022.353	1022.767
7/7/2018 23:00	584	12.94	23.01	3.822	1.205	304.4	46.06	0	0.4399998	0.4399998	21.75	23.53	21.05	53.45	66.3	44.63	1022.184	1022.265
7/8/2018 0:00	585	12.91	22.36	1.535333	0.489	36.2	52.37	0	0.4399998	0.4399998	21.24	22.06	20.79	59.74	63.98	51.86	1022.073	1022.242
7/8/2018 1:00	586	12.9	21.31	1.927333	0.647	49.99	23.31	0	0	0.44	19.96	21.09	19.03	73.79	73.79	58.3	1021.871	1021.953
7/8/2018 2:00	587	12.87	20.24	1.568	0.454	61.66	11.38	0	0	0.44	18.83	19.29	18.11	76.08	77.19	65.92	1022.07	1021.943
7/8/2018 3:00	588	12.86	19.46	1.568	0.439	36.34	41.94	0	0	0.44	18.17	18.95	17.65	74.84	78.23	65.27	1022.072	1022.119
7/8/2018 4:00	589	12.85	19.08	1.306667	0.374	358.7	22.77	0	0	0.44	17.74	18.11	17.39	68.06	79.19	67.93	1022.131	1022.096
7/8/2018 5:00	590	12.85	18.69	2.678667	0.973	304.1	36.48	0	0	0.44	17.5	18.5	16.74	79.27	82.6	64.28	1022.368	1022.175
7/8/2018 6:00	591	12.85	18.24	2.613333	1.014	302.1	29.16	0	0	0.44	16.83	17.47	16.35	79.13	82.6	72.24	1022.58	1022.442
7/8/2018 7:00	592	12.91	19.21	2.776667	1.108	312.4	21.93	0	0	0.44	17.12	18.5	16.54	79.4	79.4	68.65	1022.905	1022.775
7/8/2018 8:00	593	13.17	23.22	2.286667	1.504	271.2	10.15	0	0	0.44	19.66	21.7	17.92	61.64	79.96	60.32	1023.112	1023.085
7/8/2018 9:00	594	13.52	27.7	2.711333	1.229	264.2	15.88	0	0	0.44	23.52	25.83	21.63	45.74	65.28	44.7	1022.975	1023.102
7/8/2018 10:00	595	13.45	31.81	3.332	1.153	260.9	29.47	0	0	0.44	27.66	29.49	25.74	32.27	47.04	27.84	1022.816	1022.911
7/8/2018 11:00	596	13.42	34.1	5.226666	1.656	278.6	44.08	0	0	0.44	30.42	32.49	29.07	23.83	33.7	22.7	1022.448	1022.645
7/8/2018 12:00	597	13.38	35.88	5.520667	1.847	174	52.61	0	0	0.44	32.02	33.5	30.96	24.33	28.76	22.89	1022.089	1022.327
7/8/2018 13:00	598	13.33	36.94	5.292	2.024	135.4	35.41	0	0	0.44	32.79	33.62	32.26	22.31	25.83	21.2	1021.248	1021.764
7/8/2018 14:00	599	13.33	37.62	9.8	3.259	232.3	75.71	0	0	0.44	33.04	34.2	32.13	23.87	25.3	20.5	1020.725	1020.977
7/8/2018 15:00	600	13.33	36.9	10.388	5.08	283.4	20.74	0	0	0.44	32.57	33.53	31.54	25.24	27.13	21.72	1020.319	1020.636
7/8/2018 16:00	601	13.33	35	9.865333	5.45	257.6	12.44	0	0	0.44	31.4	32.88	30.63	25.5	26.08	23.54	1020.648	1020.265
7/8/2018 17:00	602	13.33	31.58	6.37	2.603	197.4	79.96	0	0	0.44	28.73	30.9	26.4	36.69	43.5	23.93	1020.649	1020.781
7/8/2018 18:00	603	13.38	30.41	6.86	3.434	256.4	21.33	0	0	0.44	27.42	28.2	26.59	39.95	41.64	33.57	1020.278	1020.493
7/8/2018 19:00	604	13.41	29.17	5.030666	2.181	316.4	17.56	0	0	0.44	26.66	27.28	26.46	37.41	41.12	37.21	1020.121	1020.078
7/8/2018 20:00	605	13.17	28.58	4.736666	2.295	319.1	19.95	0	0	0.44	27	27.31	26.47	39.9	39.92	36.43	1020.432	1020.283
7/8/2018 21:00	606	13.13	27.44	2.482667	1.324	295	18.45	0	0	0.44	25.64	26.55	24.96	44.31	49.84	39.49	1021.019	1020.688
7/8/2018 22:00	607	13.07	26.24	7.807333	3.589	105.6	37.24	0	0	0.44	24.13	25.55	23.27	56.03	57.3	43.59	1022.481	1022.09
7/8/2018 23:00	608	13.05	25.36	7.546	3.69	90.2	25.39	0	0	0.44	23.19	23.91	22.93	50.88	57.4	50.29	1023.089	1022.656
7/9/2018 0:00	609	13.01	25.37	9.146667	4.449	82.2	16.06	0	0	0.44	23.71	24.48	23	47.37	52.78	42.15	1023.097	1023.279
7/9/2018 1:00	610	13.01	23.27	8.852667	1.877	73.65	79.91	0	0	0.44	22.05	24.18	20.46	55.38	73.03	42.22	1023.54	1023.309
7/9/2018 2:00	611	12.98	23.62	7.154	2.091	60.22	58.2	0	0	0.44	22.55	23.68	21.44	59.47	59.47	46.12	1022.809	1023.218
7/9/2018 3:00	612	12.96	23.39	4.704	1.557	141	89.8	0	0	0.44	21.67	22.39	20.53	63.97	65.42	51.4	1022.914	1022.838
7/9/2018 4:00	613	12.94	22.21	3.103333	1.177	280	51.73	0	0	0.44	20.15	20.81	19.81	67.36	71.52	61.89	1022.561	1022.77
7/9/2018 5:00	614	12.9	21.5	3.887333	1.144	289.1	45.66	0	0	0.44	19.6	20.21	19.03	74.91	74.98	66.57	1022.143	1022.374
7/9/2018 6:00	615	12.9	21.13	2.776667	1.308	335.4	45.27	0	0	0.44	19.23	20.33	18.76	65.72	76.52	65.27	1023.146	1022.354

7/9/2018 7:00	616	13.06	23.99	4.998	1.135	330.3	67.74	0	0	0.44	21.58	23.01	20.27	54.92	65.79	53.62	1023.831	1023.44
7/9/2018 8:00	617	13.45	26.57	2.319333	0.671	190.8	66.54	0	0	0.44	23.27	24.01	22.35	47.49	60.13	46.78	1024.122	1023.983
7/9/2018 9:00	618	10.25	28.92	4.181334	1.888	115.3	22.8	0	0	0.44	25.01	25.86	23.85	42.94	48.88	41.06	1024.146	1024.135
7/9/2018 10:00	619	13.45	29.64	4.736666	2.187	125	25.28	0	0	0.44	25.86	26.59	25.16	42.29	44.77	40.33	1024.093	1024.141
7/9/2018 11:00	620	13.42	30.42	4.312	1.686	129.3	26.19	0	0	0.44	26.67	27.32	25.87	36.37	42.89	35.52	1024.114	1024.132
7/9/2018 12:00	621	13.42	31.86	3.985333	1.569	106.7	27.07	0	0	0.44	27.67	29.29	27.05	32.79	37.54	32	1023.589	1023.876
7/9/2018 13:00	622	13.41	34.31	5.324667	2.108	135.7	41.49	0	0	0.44	29.97	31.49	29.13	27.9	33.51	26.48	1022.931	1023.356
7/9/2018 14:00	623	13.34	35.81	4.9	2.078	156	36.06	0	0	0.44	31.24	32.44	30.37	24.78	29.41	24.59	1021.825	1022.513
7/9/2018 15:00	624	13.37	34.98	10.25733	4.622	97.2	27.8	0	0	0.44	30.88	32.58	29.52	28.43	30.77	23.28	1021.462	1021.799
7/9/2018 16:00	625	13.34	34.57	10.71467	5.825	98.7	18.45	0	0	0.44	30.05	31.17	29.2	22.76	31.54	20.87	1020.517	1021.202
7/9/2018 17:00	626	13.35	35.29	8.003333	3.528	157.8	22.48	0	0	0.44	30.94	32.6	29.53	24.06	26.31	20.09	1020.622	1020.682
7/9/2018 18:00	627	13.24	35.01	8.003333	3.113	190.1	62.6	0	0	0.44	30.14	31.06	29.4	31.55	33.65	23.93	1019.959	1020.384
7/9/2018 19:00	628	13.22	31.32	8.493333	4.298	267.4	16.12	0	0	0.44	27.92	29.49	25.75	45.74	45.77	30.57	1020.958	1020.216
7/9/2018 20:00	629	13.14	24.59	10.878	4.898	138.4	46.62	0.04	0.04	0.48	21.39	25.87	18.83	90	90.7	44.96	1023.948	1023.126
7/9/2018 21:00	630	13.08	21.71	9.506	2.452	41.54	77.5	0.13	0.17	0.61	18.79	19.22	18.43	86.6	93.8	86.4	1022.977	1023.541
7/9/2018 22:00	631	13.05	20.8	4.279333	1.572	342.4	29.55	0	0.17	0.61	18.83	19.17	18.31	82.7	87.5	78.17	1024.107	1024.023
7/9/2018 23:00	632	13.01	20.51	1.437333	0.712	306.1	48.13	0	0.17	0.61	18.57	18.91	18.24	84.6	89.4	80.7	1023.789	1023.855
7/10/2018 0:00	633	12.99	20.13	1.764	0.45	335.7	20.72	0	0.17	0.61	18.48	18.83	18.05	87.7	89	76.6	1024.045	1023.998
7/10/2018 1:00	634	12.98	19.51	1.47	0.527	338.9	16.23	0	0	0.61	17.92	18.3	17.78	83.9	91.4	82.4	1024.125	1024.142
7/10/2018 2:00	635	12.93	19.41	1.535333	0.659	315.2	23.82	0	0	0.61	17.72	17.97	17.53	87.3	89.8	83.4	1023.846	1023.979
7/10/2018 3:00	636	12.94	19.29	1.47	0.795	313.6	26.62	0	0	0.61	17.5	17.72	17.33	85.1	89.1	83.6	1023.638	1023.743
7/10/2018 4:00	637	12.9	18.68	1.567477	0.633	336.6	17.73	0	0	0.61	17.21	17.58	16.81	87.1	89	82.6	1023.461	1023.461
7/10/2018 5:00	638	12.86	18.08	1.894667	0.646	323.3	46.92	0	0	0.61	16.74	17.03	16.29	92.3	92.5	85.3	1023.709	1023.487
7/10/2018 6:00	639	12.86	17.6	1.110667	0.32	322.8	20.42	0	0	0.61	16.05	16.37	15.83	94.9	95.3	91.3	1023.859	1023.818
7/10/2018 7:00	640	12.91	18.92	2.254	0.91	306.7	15.99	0	0	0.61	16.36	17.33	15.76	88.8	95.5	87.3	1024.069	1024.003
7/10/2018 8:00	641	13.18	22.12	1.992667	0.886	271.7	34.19	0	0	0.61	18.31	20.45	17.19	72.5	90.3	71.26	1024.423	1024.278
7/10/2018 9:00	642	13.53	25.49	3.43	1.215	142.4	44.16	0	0	0.61	21.89	22.89	20.07	58.83	75.56	58.04	1024.307	1024.411
7/10/2018 10:00	643	13.49	27.2	5.030666	2.552	115.8	21.05	0	0	0.61	23.46	24.57	22.68	52.05	62.64	51.93	1024.268	1024.259
7/10/2018 11:00	644	9.79	29.23	5.096	2.069	135.7	33.9	0	0	0.61	25.16	26.08	24.05	50.69	55.37	44.51	1023.948	1024.177
7/10/2018 12:00	645	13.49	30.68	5.422667	2.238	117.4	32.53	0	0	0.61	26.27	27.07	25.35	41.25	51.28	37.21	1023.265	1023.68
7/10/2018 13:00	646	13.4	32.53	5.194	1.673	99.5	60.78	0	0	0.61	27.68	28.53	26.79	35.78	42.74	32.2	1022.454	1022.933
7/10/2018 14:00	647	13.41	30.37	8.264667	2.517	207.4	61.84	0	0	0.61	26.27	28.45	24.05	55.31	57.35	32.52	1022.917	1022.546
7/10/2018 15:00	648	13.45	28.54	4.998	1.616	118.7	72.12	0	0	0.61	24.14	25.09	23.14	52.12	59.03	49.65	1022.687	1022.768
7/10/2018 16:00	649	13.4	26.82	7.513333	2.23	53.59	57.85	0	0	0.61	23.1	24.21	22.15	56.42	62.73	49.9	1022.562	1022.694
7/10/2018 17:00	650	13.41	24.19	6.892667	2.562	275.2	65.65	0	0	0.61	20.86	22.24	19.49	79.6	81.1	56.38	1021.662	1022.015
7/10/2018 18:00	651	12.69	23.51	3.005333	1.303	305.4	33.39	0	0	0.61	20.06	20.66	19.48	73.15	80.1	68.79	1020.793	1021.025
7/10/2018 19:00	652	13.52	24.87	4.344666	2.024	278.1	24.42	0	0	0.61	21.13	21.7	20.46	66.32	74.91	59.54	1021.617	1021.367
7/10/2018 20:00	653	13.17	23.61	2.384667	1.034	311	35.57	0	0	0.61	21.32	21.85	20.27	71.92	73.43	60.06	1021.882	1021.625
7/10/2018 21:00	654	13.13	21.62	1.110667	0.269	329.1	51.45	0	0	0.61	19.74	20.38	19.37	79.28	80.4	71.65	1022.305	1021.949
7/10/2018 22:00	655	13.11	21.42	2.090667	0.85	310.2	28.3	0	0	0.61	19.64	20.13	19.03	74.71	82.3	71.85	1022.485	1022.479
7/10/2018 23:00	656	13.06	21.24	3.724	1.652	276.5	22.58	0	0	0.61	19.27	20.03	18.83	86	86.4	73.87	1022.169	1022.262
7/11/2018 0:00	657	13.04	20.77	3.299333	1.276	314.8	29.1	0	0	0.61	18.6	18.9	18.44	84.4	86.4	82.1	1022.113	1022.111
7/11/2018 1:00	658	13.02	20.3	1.339333	0.278	334.1	20.45	0	0	0.61	18.47	18.77	18.24	85.4	88.6	83.8	1021.896	1022.095
7/11/2018 2:00	659	13.01	20.23	1.045333	0.288	319.8	36.57	0	0	0.61	18.63	18.96	18.31	86.4	86.4	80.8	1021.495	1021.662
7/11/2018 3:00	660	12.98	19.97	1.110667	0.474	297.8	45.84	0	0	0.61	18.25	18.62	17.92	87.6	89.7	83.7	1021.297	1021.389
7/11/2018 4:00	661	12.96	19.67	1.96	0.615	325.9	17.36	0	0	0.61	17.9	18.14	17.72	85.2	89.6	85.2	1021.187	1021.289
7/11/2018 5:00	662	12.93	19.8	1.241333	0.493	315.5	32.51	0	0	0.61	18.01	18.29	17.85	87.7	89.4	84.6	1021.283	1021.166
7/11/2018 6:00	663	12.93	19.61	1.208667	0.445	283.2	41.16	0	0	0.61	17.7	18.11	17.52	89.6	91.4	87.4	1021.874	1021.531
7/11/2018 7:00	664	12.98	20.47	1.404667	0.317	72.91	52.37	0	0	0.61	18.27	18.97	17.52	80.7	89.6	80.7	1022.057	1021.943
7/11/2018 8:00	665	13.37	24.1	1.731333	0.462	236.9	50.32	0	0	0.61	20.16	21.62	18.9	68.33	82.1	68.14	1021.961	1021.99
7/11/2018 9:00	666	13.53	27.44	2.548	0.772	193.3	44.07	0	0	0.61	22.95	24.18	21.5	56.42	68.22	55.19	1021.997	1021.992
7/11/2018 10:00	667	13.49	28.98	3.593333	1.131	160.8	45.29	0	0	0.61	24.37	25.47	23.33	50.69	58.71	49.58	1021.641	1021.811

7/11/2018 11:00	668	13.44	31.31	4.704	1.873	145.5	55.31	0	0	0.61	26.03	27.24	24.96	43.84	51.61	42.49	1021.305	1021.538
7/11/2018 12:00	669	13.45	31.96	6.468	2.251	138.5	41.48	0	0	0.61	26.86	28.19	26.13	42.69	46.57	40.87	1020.745	1021.134
7/11/2018 13:00	670	13.41	32.35	6.762	2.52	182.2	41.38	0	0	0.61	27.85	28.76	27.18	40.01	42.85	38.71	1019.792	1020.339
7/11/2018 14:00	671	13.41	31.99	5.259333	2.235	195.7	35.12	0	0	0.61	27.44	28.45	27.11	38.19	40.34	34.08	1019.055	1019.714
7/11/2018 15:00	672	13.45	32.36	6.86	3.052	267.9	23.64	0	0	0.61	27.55	28.88	26.39	37.15	46.92	35.85	1018.716	1018.986
7/11/2018 16:00	673	13.41	33	8.460667	4.757	244	23.74	0	0	0.61	28.2	29.26	27.57	39.57	41.45	34.68	1018.109	1018.251
7/11/2018 17:00	674	13.41	33.11	8.003333	3.573	226.5	33.84	0	0	0.61	28.22	28.87	27.51	39.96	42.62	38.98	1018.345	1018.198
7/11/2018 18:00	675	13.41	30.47	7.023333	3.812	137.1	28.92	0	0	0.61	26.67	28.73	25.62	48.22	48.73	37.68	1018.715	1018.528
7/11/2018 19:00	676	13.34	26.94	9.865333	4.466	124	16.57	0	0	0.61	23.59	25.74	22.03	65.54	65.58	47.18	1019.577	1019.239
7/11/2018 20:00	677	13.16	24.8	3.952667	2.233	95.5	19.51	0	0	0.61	21.78	22.13	21.5	66.19	66.97	64.94	1019.955	1019.83
7/11/2018 21:00	678	13.13	23.59	5.488	3.065	124.8	15.8	0	0	0.61	20.94	21.57	20.46	66.58	67.49	65.14	1020.857	1020.36
7/11/2018 22:00	679	13.07	22.88	4.932666	2.94	120.8	13.03	0	0	0.61	20.36	20.61	19.94	68.73	69.12	65.66	1021.295	1021.151
7/11/2018 23:00	680	13.05	21.67	4.573333	2.323	115.3	14.83	0	0	0.61	19.35	20.01	18.83	74.68	74.72	68.59	1021.517	1021.328
7/12/2018 0:00	681	13.01	20.91	3.364666	1.579	90.9	15.81	0	0	0.61	18.71	18.96	18.57	74.84	76.22	74.65	1021.602	1021.523
7/12/2018 1:00	682	13.02	20.78	3.528	2.19	107.5	10.89	0	0	0.61	18.6	18.76	18.44	76.08	76.41	74.38	1021.72	1021.732
7/12/2018 2:00	683	12.98	20.55	3.789333	2.064	118.2	15.14	0	0	0.61	18.29	18.56	17.98	81.2	81.5	76.01	1021.855	1021.823
7/12/2018 3:00	684	12.94	20.13	2.548	0.926	114.6	19.88	0	0	0.61	17.91	18.11	17.72	83.7	84	81.2	1021.677	1021.719
7/12/2018 4:00	685	12.94	19.66	1.241333	0.436	92	14.41	0	0	0.61	17.67	17.85	17.53	84.3	85.5	83.6	1021.705	1021.681
7/12/2018 5:00	686	12.9	19.82	1.306667	0.302	123	33.07	0	0	0.61	17.78	17.92	17.72	83	84.6	82.4	1021.806	1021.809
7/12/2018 6:00	687	12.9	19.85	1.110667	0.224	101.1	26.1	0	0	0.61	17.88	18.04	17.79	83	83.6	81.9	1022.048	1021.87
7/12/2018 7:00	688	12.9	20.32	3.201333	1.112	143.8	26.3	0	0	0.61	18.13	18.51	17.92	81.6	84.3	81.3	1022.612	1022.316
7/12/2018 8:00	689	13.14	21.81	3.364666	1.801	130.6	15.44	0	0	0.61	18.92	19.61	18.44	74.39	81.6	74.06	1022.967	1022.76
7/12/2018 9:00	690	13.57	23.17	3.756666	2.07	128.4	18.03	0	0	0.61	19.96	20.46	19.49	69.76	75.05	68.27	1023.241	1023.208
7/12/2018 10:00	691	12.5	24.45	5.978	2.71	134.1	18.57	0	0	0.61	20.96	21.45	20.26	65.34	70.46	64.16	1023.368	1023.249
7/12/2018 11:00	692	13.52	26	5.553333	3.129	115.3	20.53	0	0	0.61	21.87	23.59	21.18	55.19	66.84	53.81	1022.982	1023.235
7/12/2018 12:00	693	13.5	29.2	6.892667	2.815	145.1	28.22	0	0	0.61	24.69	25.82	23.07	46.41	55.2	46.26	1022.582	1022.86
7/12/2018 13:00	694	13.48	30.86	6.402667	2.452	159	39.09	0	0	0.61	26.16	26.99	25.1	44.18	47.72	38.38	1022.508	1022.365
7/12/2018 14:00	695	13.33	24.07	10.32267	4.298	279.8	29.81	0.29	0.29	0.9	20.62	25.89	18.18	91.6	91.6	44.18	1023.049	1022.985
7/12/2018 15:00	696	13.42	22.25	4.802	2.27	295.4	24.28	0.02	0.31	0.92	18.89	19.85	18.24	80.7	92.6	79.02	1022.408	1022.542
7/12/2018 16:00	697	13.56	23.8	4.540667	2.304	320.8	21.87	0	0.31	0.92	20.49	21.37	19.68	70.88	83.2	68.92	1022.334	1022.477
7/12/2018 17:00	698	13.57	25.42	4.867333	2.506	296.2	28.8	0	0.31	0.92	21.74	22.27	21.24	67.88	73.23	63.65	1022.022	1022.163
7/12/2018 18:00	699	13.56	25.12	5.488	2.842	265.4	15.6	0	0.31	0.92	21.48	21.92	21.05	69.24	71.59	64.88	1021.954	1022.006
7/12/2018 19:00	700	13.54	24.22	4.116	1.952	297.5	20.16	0	0.31	0.92	21.22	21.44	21.05	67.03	70.82	65.08	1022.036	1022.002
7/12/2018 20:00	701	13.18	22.85	2.352	1.077	284	15.14	0	0.31	0.92	20.71	21.17	20.14	75.43	75.43	66.31	1022.5	1022.275
7/12/2018 21:00	702	13.13	21.53	1.339333	0.534	317.9	28.54	0	0.31	0.92	19.75	20.2	19.35	82.7	83.1	74.52	1023.079	1022.768
7/12/2018 22:00	703	13.13	21.04	1.372	0.7	313.8	23.79	0	0.31	0.92	19.32	19.66	18.9	82.4	85.6	79.21	1023.427	1023.361
7/12/2018 23:00	704	13.07	20.9	1.600667	0.547	305.7	32.96	0	0.31	0.92	19.1	19.41	18.9	89.5	89.9	80.7	1023.308	1023.434
7/13/2018 0:00	705	13.06	20.07	1.012667	0.146	350.9	7.606	0	0.31	0.92	18.58	19.02	18.05	85.1	89.7	82.3	1023.05	1023.172
7/13/2018 1:00	706	13.02	19.34	0.9473333	0.156	1.161	30.69	0	0	0.92	17.81	18.24	17.6	87	91.3	84.6	1023.039	1023.075
7/13/2018 2:00	707	13.01	19.05	1.274	0.288	323.8	23.08	0	0	0.92	17.51	17.79	17.27	90.9	92	84.5	1022.926	1022.985
7/13/2018 3:00	708	12.99	19.03	1.241333	0.353	312.7	29.66	0	0	0.92	17.43	17.59	17.26	90.1	91.6	88.5	1022.821	1022.941
7/13/2018 4:00	709	12.97	18.53	1.600667	0.302	312.7	34.46	0	0	0.92	17.03	17.59	16.48	91.4	93.1	86.5	1022.773	1022.784
7/13/2018 5:00	710	12.93	18.01	2.254	0.881	329.4	19.23	0	0	0.92	16.35	16.61	16.22	91.1	92.3	90	1023.178	1022.9
7/13/2018 6:00	711	12.9	18.02	1.208667	0.554	325.4	30.19	0	0	0.92	16.46	16.94	16.23	92.4	92.8	89	1023.335	1023.188
7/13/2018 7:00	712	12.98	19.5	1.927333	1.14	279	18.07	0	0	0.92	16.67	17.72	15.96	87.5	94.1	84.8	1023.855	1023.633
7/13/2018 8:00	713	13.29	22.98	1.698667	0.787	254.5	17.39	0	0	0.92	18.88	20.47	17.65	75.18	88.1	74.72	1024.256	1024.098
7/13/2018 9:00	714	13.56	26.72	1.96	0.666	232.7	68.9	0	0	0.92	22.11	23.3	20.46	58.85	75.64	57.79	1024.383	1024.368
7/13/2018 10:00	715	13.52	28.99	3.168666	1.281	278.5	30.95	0	0	0.92	23.82	24.77	23	48.22	62.34	46.91	1024.341	1024.336
7/13/2018 11:00	716	13.43	30.95	3.691333	1.171	272.9	82.3	0	0	0.92	25.76	26.86	24.7	41.71	53.23	40.34	1024.04	1024.226
7/13/2018 12:00	717	13.26	32.36	4.932666	1.601	290.7	54.4	0	0	0.92	27.44	28.35	26.65	42.88	46.92	40.22	1023.319	1023.678
7/13/2018 13:00	718	13.44	32.45	6.533333	2.258	229.2	68.77	0	0	0.92	27.93	28.8	26.33	51.04	52.27	36.3	1022.784	1023.046
7/13/2018 14:00	719	13.4	31.81	7.186667	2.545	160.3	69.1	0	0	0.92	27.88	28.55	26.86	41.06	50.96	39.3	1022.158	1022.431

7/13/2018 15:00	720	13.42	26.89	9.702	3.846	263.7	42.28	0.03	0.03	0.9499999	24.66	27.96	23.07	71.99	76.16	41.06	1022.042	1022.145
7/13/2018 16:00	721	13.49	26.21	9.375333	3.372	300.5	36.54	0	0.03	0.9499999	23.18	23.93	22.74	65.28	74.34	58.83	1022.483	1022.365
7/13/2018 17:00	722	13.52	25.88	2.94	1.148	341.5	26.65	0	0.03	0.9499999	23.42	23.98	22.87	61.18	67.38	59.62	1022.281	1022.307
7/13/2018 18:00	723	13.29	25.37	2.254	0.423	30.87	21.13	0	0.03	0.9499999	23.66	24.25	23.13	62.74	66.97	56.88	1022.056	1022.25
7/13/2018 19:00	724	13.25	24.92	2.156	0.516	322.2	55.58	0	0.03	0.9499999	23.06	23.55	22.48	73.55	74.06	60.72	1022.107	1022.064
7/13/2018 20:00	725	13.13	24	1.829333	0.624	281.5	32.03	0	0.03	0.9499999	22.13	22.55	21.38	72.24	74.12	67.04	1022.275	1022.238
7/13/2018 21:00	726	13.13	22.69	0.98	0.218	70.98	36.36	0	0.03	0.9499999	20.84	21.5	20.46	79.22	81.2	72.51	1022.822	1022.465
7/13/2018 22:00	727	13.06	21.83	1.143333	0.267	276	32.29	0	0.03	0.9499999	20	20.53	19.55	85.7	87.1	79.01	1023.425	1023.236
7/13/2018 23:00	728	13.04	21.48	1.927333	0.426	299	21.58	0	0.03	0.9499999	19.54	19.75	19.42	85.5	89	84.6	1023.437	1023.357
7/14/2018 0:00	729	13.01	21.52	1.372	0.375	303.1	40.47	0	0.03	0.9499999	19.71	19.95	19.55	88.7	89.6	84.6	1023.18	1023.296
7/14/2018 1:00	730	12.99	21.42	1.600667	0.5	290.2	29.22	0	0	0.9499999	19.61	20.26	19.35	87.4	89.2	80.2	1022.596	1022.918
7/14/2018 2:00	731	12.96	20.77	1.404667	0.548	305.9	17.72	0	0	0.9499999	19.07	19.47	18.7	87.9	89.2	86.4	1022.481	1022.525
7/14/2018 3:00	732	12.94	20.23	1.110667	0.248	349.3	42.89	0	0	0.9499999	18.61	19.02	18.38	86.2	90.1	86.2	1022.842	1022.67
7/14/2018 4:00	733	12.91	20.33	1.241333	0.467	313.9	68.08	0	0	0.9499999	18.66	19.03	18.38	89.2	91.5	86	1022.762	1022.856
7/14/2018 5:00	734	12.9	20.24	1.274	0.491	323.6	16.66	0	0	0.9499999	18.64	18.88	18.44	87	89.7	86.2	1022.619	1022.66
7/14/2018 6:00	735	12.9	19.72	2.123333	0.735	314.4	26.07	0	0	0.9499999	18.16	18.97	17.53	83.4	92	83.2	1022.683	1022.629
7/14/2018 7:00	736	12.93	20.19	2.744	0.816	285.1	29.56	0	0	0.9499999	18.37	19.28	17.85	89.8	92.2	80.7	1022.959	1022.741
7/14/2018 8:00	737	13.22	23.16	1.764	0.428	307.3	87.2	0	0	0.9499999	21.06	22.31	18.71	73.94	89.9	66.97	1023.248	1023.099
7/14/2018 9:00	738	13.53	24.45	1.764	0.945	102.6	14.49	0	0	0.9499999	21.61	22.24	21.25	71.46	80.3	69.64	1023.31	1023.329
7/14/2018 10:00	739	13.56	26.5	2.482667	1.133	133.7	24.07	0	0	0.9499999	23.31	24.95	22.15	58.58	71.59	57.53	1023.156	1023.307
7/14/2018 11:00	740	13.48	29.89	3.168666	0.986	171.1	63.16	0	0	0.9499999	26.26	27.13	24.83	46.92	61.32	44.77	1022.712	1023.077
7/14/2018 12:00	741	13.44	32.9	4.377333	1.87	253	53.98	0	0	0.9499999	28.34	30.03	27.05	40.02	49.14	37.61	1022.221	1022.428
7/14/2018 13:00	742	13.44	26.48	7.186667	2.763	147.3	66.61	0.2	0.2	1.15	23.97	30.04	21.38	87	87	39.83	1021.97	1022.155
7/14/2018 14:00	743	13.29	23.44	9.506	3.136	109.9	95	0.02	0.22	1.17	20.83	23.19	18.5	87.3	88.7	67.49	1023.967	1022.985
7/14/2018 15:00	744	13.21	21.27	4.312	0.995	112.6	64.09	0.05	0.27	1.22	18.66	18.95	18.31	88.8	92.4	79.23	1024.176	1023.839
7/14/2018 16:00	745	13.17	20.72	3.658666	1.435	305	21.23	0.09	0.3599999	1.31	18.13	18.51	17.98	95	95.5	88.2	1022.804	1023.592
7/14/2018 17:00	746	13.17	20.54	2.548	1.054	331.6	27.9	0.04	0.3999999	1.35	18.26	18.65	18.05	86.7	95.7	86.4	1021.975	1022.389
7/14/2018 18:00	747	13.17	20.64	2.482667	0.901	356.7	39.76	0.01	0.4099999	1.36	18.67	18.89	18.51	90	92.8	86.8	1021.88	1021.819
7/14/2018 19:00	748	10.53	20.62	2.94	0.723	333.8	58.92	0	0.4099999	1.36	18.95	19.18	18.76	89.7	90.8	80.1	1021.65	1021.761
7/14/2018 20:00	749	13.05	20.4	1.437333	0.365	33.09	42.19	0	0.4099999	1.36	18.74	19.16	18.31	93.1	93.8	87	1021.848	1021.506
7/14/2018 21:00	750	13.02	20	1.796667	0.57	327.3	15.04	0	0.4099999	1.36	18.33	18.56	18.18	93	93.8	89.2	1022.442	1022.207
7/14/2018 22:00	751	12.99	20.05	1.306667	0.338	328	22.1	0	0.4099999	1.36	18.32	18.49	18.18	93.2	94	90.5	1022.525	1022.528
7/14/2018 23:00	752	12.95	20.16	2.058	0.707	21.93	65.48	0	0.4099999	1.36	18.42	18.63	18.18	91.9	93.9	90.6	1022.747	1022.809
7/15/2018 0:00	753	12.9	20.25	2.188667	0.839	319.3	27.57	0	0.4099999	1.36	18.58	18.88	18.44	89.9	93	88.2	1022.418	1022.654
7/15/2018 1:00	754	12.9	20.24	1.927333	0.5	287.1	17.04	0	0	1.36	18.46	18.63	18.31	94.7	95.3	89.8	1022.434	1022.481
7/15/2018 2:00	755	12.89	19.78	1.404667	0.458	307.7	39.5	0	0	1.36	18.05	18.46	17.72	95.1	95.8	93.5	1022.033	1022.145
7/15/2018 3:00	756	12.86	19.32	1.731333	0.822	334.4	20.49	0	0	1.36	17.72	18.11	17.46	93.1	95.4	93.1	1021.812	1021.911
7/15/2018 4:00	757	12.86	19.01	1.96	0.633	357.9	26.01	0	0	1.36	17.57	17.97	17.26	88.6	94.1	88.5	1021.632	1021.73
7/15/2018 5:00	758	12.85	18.84	1.862	0.748	342.4	21.58	0	0	1.36	17.9	18.32	17.26	88	89.8	83.2	1021.966	1021.786
7/15/2018 6:00	759	12.86	18.88	2.090667	1.086	312.6	25.53	0	0	1.36	17.47	18.1	16.74	94.6	94.7	84.5	1021.883	1021.984
7/15/2018 7:00	760	12.94	20.4	3.168666	1.086	294	27.46	0	0	1.36	17.44	18.49	16.74	89.7	95.3	88	1022.225	1022.006
7/15/2018 8:00	761	13.22	23.45	2.678667	0.934	268.7	35.91	0	0	1.36	19.37	20.59	18.18	82.1	90.6	76.8	1022.415	1022.348
7/15/2018 9:00	762	13.56	24.23	2.156	1.156	269.9	20.05	0	0	1.36	20.58	22.2	19.87	73.03	84.4	73.03	1022.304	1022.433
7/15/2018 10:00	763	13.53	26.9	3.985333	1.335	145.7	51.72	0	0	1.36	23.13	24.28	22.16	63.92	74.32	61.11	1022.326	1022.289
7/15/2018 11:00	764	13.45	29.2	2.45	0.659	177.2	85.2	0	0	1.36	24.92	26.84	24.05	50.5	65.73	50.5	1022.109	1022.253
7/15/2018 12:00	765	13.45	31.67	4.867333	1.552	249.7	49.1	0	0	1.36	27.49	28.35	26.53	52.98	56.3	46.53	1021.657	1021.843
7/15/2018 13:00	766	13.41	32.37	8.199333	2.865	231.9	43.11	0	0	1.36	28.25	29.14	25.62	50.37	54.04	41.72	1021.366	1021.388
7/15/2018 14:00	767	13.41	26.31	6.043334	2.049	332.4	45.06	0	0	1.36	23.5	25.62	22.09	66.64	75.33	49.58	1022.006	1021.627
7/15/2018 15:00	768	13.3	22.69	10.35533	3.413	350.4	41.53	0.04	0.04	1.4	20.22	23.33	17.99	88.5	89.8	63.52	1022.812	1022.628
7/15/2018 16:00	769	13.29	21.37	2.842	1.124	301.6	37.76	0.09	0.13	1.49	18.56	19.02	18.05	92.1	93.9	85.1	1022.38	1022.75
7/15/2018 17:00	770	13.33	21.09	3.332	1.488	326.8	30.71	0.03	0.16	1.52	18.71	19.04	18.57	88.1	93.9	86.1	1021.206	1021.862
7/15/2018 18:00	771	13.21	20.69	2.678667	1.063	344.1	27.04	0.01	0.17	1.53	18.84	19.17	18.57	86.1	92.2	80.4	1021.304	1021.192

7/15/2018 19:00	772	13.13	20.96	3.364666	0.795	92.2	52.39	0.01	0.18	1.54	19.05	19.31	18.76	92.8	93	86.2	1022.002	1021.512
7/15/2018 20:00	773	13.08	20.92	1.404667	0.197	105.6	9.21	0	0.18	1.54	19.05	19.29	18.9	91.7	94.4	91.5	1021.738	1021.925
7/15/2018 21:00	774	13.06	20.63	2.482667	0.639	86.3	19.55	0	0.18	1.54	18.75	18.96	18.57	93.1	95.2	91.3	1021.293	1021.499
7/15/2018 22:00	775	13.01	20.14	3.201333	1.088	93.7	44.13	0	0.18	1.54	18.35	18.78	18.18	92.2	94.3	90	1022.299	1021.781
7/15/2018 23:00	776	13.02	19.78	1.078	0.408	306.8	66.37	0	0.18	1.54	17.96	18.3	17.66	96.1	96.2	91.8	1022.296	1022.296
7/16/2018 0:00	777	12.98	19.6	2.025333	0.536	26.83	44.92	0	0.18	1.54	17.77	18.1	17.65	93.5	96.1	93.3	1022.09	1022.082
7/16/2018 1:00	778	12.94	19.76	2.45	0.514	282.2	39.94	0	0	1.54	18.06	18.3	17.85	96.2	96.3	92.5	1021.947	1022.032
7/16/2018 2:00	779	12.94	19.76	1.96	0.556	315.7	20.84	0	0	1.54	17.88	18.05	17.78	95.9	96.5	95.3	1021.806	1021.83
7/16/2018 3:00	780	12.89	19.67	1.110667	0.245	305	38.41	0	0	1.54	17.79	18.05	17.66	96.8	96.9	95.9	1021.944	1021.85
7/16/2018 4:00	781	12.85	19.7	1.306667	0.299	47.95	43.72	0	0	1.54	17.91	18.29	17.66	94.4	96.8	92.4	1021.721	1021.906
7/16/2018 5:00	782	12.86	19.47	1.176	0.232	117.5	35.14	0	0	1.54	17.66	18.1	17.33	97.3	97.4	94	1021.838	1021.862
7/16/2018 6:00	783	12.86	19.14	1.404667	0.53	329.3	21.16	0	0	1.54	17.32	17.52	17.2	95	97.4	94.6	1022.163	1021.907
7/16/2018 7:00	784	12.94	19.44	1.666	0.495	274.8	36.5	0	0	1.54	17.19	17.51	17.07	96.3	97.3	95	1022.782	1022.496
7/16/2018 8:00	785	13.25	21.17	1.339333	0.591	277	24.27	0	0	1.54	18.1	19.13	17.4	90.6	96.6	90.5	1022.968	1022.837
7/16/2018 9:00	786	13.57	24.65	2.254	0.941	250.4	27.38	0	0	1.54	20.45	21.76	19.09	78.15	91.1	78.15	1022.686	1022.96
7/16/2018 10:00	787	13.52	27.2	3.397333	1.586	274.4	19.2	0	0	1.54	23.36	24.96	21.57	54.34	81.2	54.27	1022.492	1022.532
7/16/2018 11:00	788	13.45	30.62	3.593333	1.097	226.5	52.44	0	0	1.54	26.44	27.52	24.9	48.49	59.49	47.96	1022.455	1022.467
7/16/2018 12:00	789	13.45	31.41	2.352	0.718	204.4	82.7	0	0	1.54	27.15	28.68	26.33	45.28	53.69	42.82	1021.737	1022.191
7/16/2018 13:00	790	13.4	32.39	3.691333	1.343	127	31.47	0	0	1.54	28.62	29.31	28.09	46.34	48.94	41.65	1021.347	1021.526
7/16/2018 14:00	791	13.41	31.49	4.312	1.384	243.1	42.79	0	0	1.54	28.22	28.58	27.57	48.94	51.06	42.88	1020.986	1021.163
7/16/2018 15:00	792	13.45	29.76	7.154	3.449	276.5	24.87	0	0	1.54	26.11	27.58	25.48	56.55	57.8	48.74	1020.886	1021.065
7/16/2018 16:00	793	13.46	29.37	4.214	1.959	286.6	20.01	0	0	1.54	25.74	26.18	25.48	57.54	61.12	55.32	1020.668	1020.745
7/16/2018 17:00	794	13.48	29.36	3.495333	1.752	279	14.63	0	0	1.54	26.04	26.32	25.87	57.99	59.63	54.47	1020.925	1020.671
7/16/2018 18:00	795	13.46	28.92	5.847333	1.646	266.5	61.88	0	0	1.54	25.94	26.4	24.77	58.18	59.3	51.87	1020.959	1020.915
7/16/2018 19:00	796	13.38	27.07	5.912666	2.408	95.5	20.42	0	0	1.54	24.15	24.83	23.92	61.18	62.16	56.75	1021.161	1020.953
7/16/2018 20:00	797	13.17	25.86	3.136	1.465	100.7	24.19	0	0	1.54	23.77	24.3	23.01	66.52	66.74	57.01	1020.943	1020.901
7/16/2018 21:00	798	13.14	24.67	3.822	1.518	102.9	15.83	0	0	1.54	22.82	23.08	22.62	63.01	69.33	61.37	1021.472	1021.128
7/16/2018 22:00	799	13.12	23.48	2.711333	0.774	91.6	22.16	0	0	1.54	21.69	22.77	20.92	73.81	75.51	62.8	1021.839	1021.842
7/16/2018 23:00	800	13.05	23.23	2.319333	0.837	349.7	55.96	0	0	1.54	21.59	22.58	20.92	72.12	75.05	64.3	1021.834	1021.874
7/17/2018 0:00	801	13.02	22.6	2.352	0.508	72.42	36.11	0	0	1.54	20.66	21.66	20.2	84.9	85.2	71.99	1022.08	1021.799
7/17/2018 1:00	802	13.01	22.34	3.822	2.042	114.2	14.21	0	0	1.54	20.31	20.85	19.94	83.5	85.8	78.04	1022.248	1022.286
7/17/2018 2:00	803	13.01	21.82	3.985333	2.08	109.5	18.68	0.09999999	0.09999999	1.64	19.79	20.34	18.9	89.4	91.2	80.3	1022.157	1022.243
7/17/2018 3:00	804	12.98	20.65	2.776667	1.355	60.61	15.41	0	0.09999999	1.64	18.99	19.34	18.51	83.8	89.4	83.7	1022.305	1022.172
7/17/2018 4:00	805	12.94	21	3.168666	1.615	84.2	17.57	0	0.09999999	1.64	19.64	20.29	19.03	76.68	85.1	75.76	1022.694	1022.448
7/17/2018 5:00	806	12.93	20.79	1.731333	0.607	331.2	53.37	0	0.09999999	1.64	19.12	20.33	18.51	90.8	91.1	76.28	1022.689	1022.594
7/17/2018 6:00	807	12.92	20.3	2.417333	0.621	18.11	35.2	0	0.09999999	1.64	18.6	19.03	18.18	83.7	92	82.8	1023.163	1022.992
7/17/2018 7:00	808	12.98	21.49	1.012667	0.218	95.8	69.26	0	0.09999999	1.64	19.28	20.52	18.83	78.95	86.5	78.95	1023.389	1023.296
7/17/2018 8:00	809	12.83	23.63	2.384667	0.968	280.6	39.99	0	0.09999999	1.64	20.79	21.64	20.39	73.25	81.4	72.18	1023.51	1023.466
7/17/2018 9:00	810	13.54	27.02	2.286667	1.076	254.1	26.3	0	0.09999999	1.64	23.11	24.5	21.63	56.63	73.29	56.56	1023.528	1023.532
7/17/2018 10:00	811	13.48	29.49	3.854666	1.22	156.9	39.89	0	0.09999999	1.64	25.87	26.66	24.11	51.35	58.89	48.74	1023.566	1023.522
7/17/2018 11:00	812	13.44	29.94	5.063334	2.241	144.8	22.49	0	0.09999999	1.64	26.24	27.61	25.35	47.7	55.06	46.98	1023.568	1023.545
7/17/2018 12:00	813	13.45	31.83	4.802	2.175	140.9	25.98	0	0.09999999	1.64	28.01	29.02	26.98	47.08	49.87	38.97	1023.078	1023.391
7/17/2018 13:00	814	13.42	33.64	4.050666	1.66	163.8	55.41	0	0.09999999	1.64	29.52	30.47	28.16	38.53	47.45	35.27	1022.641	1022.933
7/17/2018 14:00	815	13.4	34.89	5.030666	1.897	146.8	48.12	0	0.09999999	1.64	30.5	31.62	29.53	34.63	40.15	32.67	1021.95	1022.299
7/17/2018 15:00	816	13.37	36.14	6.337333	2.086	177.1	62.27	0	0.09999999	1.64	31.6	32.6	30.76	34.16	36.97	29.48	1021.267	1021.746
7/17/2018 16:00	817	13.37	34.23	7.317333	3.669	121.6	25.29	0	0.09999999	1.64	30.83	31.97	30.18	34.84	36.96	30.51	1020.972	1020.97
7/17/2018 17:00	818	13.4	30.75	7.382667	2.565	14.82	70.03	0	0.09999999	1.64	27.56	30.43	24.36	60.38	60.71	34.55	1021.82	1021.664
7/17/2018 18:00	819	12.36	27.5	5.618666	2.675	335.3	23.65	0	0.09999999	1.64	24.23	24.41	24.05	61.12	63.86	58.7	1021.034	1021.292
7/17/2018 19:00	820	13.25	26.69	4.377333	2.209	321.6	16.01	0	0.09999999	1.64	24.15	24.45	23.66	63.46	64.01	60.79	1021.407	1021.461
7/17/2018 20:00	821	13.14	25.44	3.854666	1.9	291.2	26	0	0.09999999	1.64	23.22	23.76	22.62	68.93	69.53	63.53	1021.65	1021.609
7/17/2018 21:00	822	13.12	24.97	5.226666	2.256	303.8	28.37	0	0.09999999	1.64	23.12	23.89	22.55	66.06	69.06	57.85	1022.852	1022.063
7/17/2018 22:00	823	13.06	24.59	4.704	1.993	295.1	37.06	0	0.09999999	1.64	22.54	23.75	22.22	55.05	72.37	55.05	1023.455	1023.147



7/17/2018 23:00	824	13.05	25.16	7.154	2.002	287.9	37.35	0	0.09999999	1.64	24.11	25.46	22.88	59.16	61.64	49.78	1021.881	1022.67
7/18/2018 0:00	825	13.02	23.45	3.201333	1.025	290.5	63.05	0	0.09999999	1.64	22.01	23.01	20.85	62.54	69.95	57.13	1022.299	1022.019
7/18/2018 1:00	826	12.99	23.07	3.005333	1.148	70.56	16.8	0	0	1.64	21.88	22.81	21.05	59.55	65.02	57.52	1022.86	1022.568
7/18/2018 2:00	827	12.97	22.91	3.560667	1.226	88.2	43.81	0	0	1.64	21.61	22.76	20.46	76.35	76.62	58.89	1023.701	1023.3
7/18/2018 3:00	828	12.94	22.31	3.560667	1.383	325.9	24.28	0	0	1.64	20.74	21.72	20.27	63.45	77.92	63.45	1023.001	1023.411
7/18/2018 4:00	829	12.94	22.78	2.482667	1.097	317.1	29.38	0	0	1.64	21.57	22.26	20.59	70.81	71.14	59.67	1022.957	1023.004
7/18/2018 5:00	830	12.9	22.07	2.580667	0.559	353.6	51.18	0	0	1.64	20.47	20.71	20.2	73.8	73.8	69.18	1023.093	1023.049
7/18/2018 6:00	831	12.89	21.57	1.927333	0.642	28.28	58.49	0	0	1.64	20.03	20.71	19.62	76.15	78.76	68.53	1023.342	1023.309
7/18/2018 7:00	832	12.91	21.75	2.123333	0.882	302.2	27.66	0	0	1.64	19.8	20.72	19.35	74.46	81.5	74.19	1023.332	1023.366
7/18/2018 8:00	833	13.29	23.59	2.319333	0.798	320.2	47.91	0	0	1.64	20.88	22.11	20.59	69.98	77.39	69.9	1024.194	1023.754
7/18/2018 9:00	834	13.52	27.96	2.058	0.646	125.1	82.9	0	0	1.64	24.23	25.83	22.1	52.46	70.26	51.42	1024.266	1024.212

BP_Corrected_To_Sea_Level_mbar_Max	BP_Corrected_To_Sea_Level_mbar_Min	DewPointTemp	DewPointTemp_Max	DewPointTemp_Min	SolarW_Avg	SolarMJ_Tot	SolarMJ_Avg	ETos	Rsos	ETot	RSot	
mBar	mBar	C	C	C	W/m^2	MJ/m^2	MJ/m^2	mm	MJ/m^2	mm	MJ/m^2	
Max	Min	Smp	Max	Min	Avg	Tot	Avg	ETXs	Rso	ETXs	Rso	
769.2501	169.2597	-3.555	-3.105	-3.555	903.3641	0.06233212	0.002710092	0.011	2.762	0.032	2.732	Do not use
1016.798	1016.644	-3.903	-3.603	-5.599	768.6068	1.288954	0.002305821	0.511	2.131	0.741	2.131	Do not use
1016.694	1016.313	-2.989	-2.598	-4.252	640.6871	2.306473	0.001922061	0.639	1.557	0.853	1.557	
1016.313	1016.088	-1.849	-1.012	-3.131	417.1873	1.501874	0.001251562	0.461	0.753	0.665	0.753	
1016.303	1016.12	-1.717	-1.261	-2.134	115.0418	0.4141506	0.000345126	0.212	0.084	0.392	0.084	
1016.556	1016.285	-0.539	-0.324	-1.851	23.24256	0.0836732	6.97E-05	0.087	0	0.131	0	
1016.807	1016.55	-0.979	-0.307	-1.176	-5.979154	-0.02152495	-1.79E-05	0.002	0	0.012	0	
1017.284	1016.807	-1.579	-0.88	-1.677	-5.588876	-0.02011995	-1.68E-05	-0.051	0	-0.077	0	
1017.282	1017.213	-1.956	-1.301	-2.023	-4.98806	-0.01795701	-1.50E-05	-0.033	0	-0.045	0	
1017.246	1017.151	-1.992	-1.629	-2.244	-4.670347	-0.01681325	-1.40E-05	-0.035	0	-0.05	0	
1017.252	1016.937	-2.018	-1.74	-2.216	-3.819121	-0.01374883	-1.15E-05	-0.035	0	-0.049	0	
1016.937	1016.631	-2.362	-1.813	-2.405	-4.205371	-0.01513934	-1.26E-05	-0.013	0	-0.013	0	
1016.697	1016.564	-2.383	-2.066	-2.5	-3.718981	-0.01338833	-1.12E-05	-0.038	0	-0.054	0	
1016.772	1016.525	-2.553	-2.086	-2.72	-3.566578	-0.01283968	-1.07E-05	-0.025	0	-0.033	0	
1016.977	1016.772	-2.195	-1.835	-2.576	-4.242845	-0.01527424	-1.27E-05	0.053	0.073	0.096	0.073	
1017.376	1016.977	-2.431	-2.009	-2.567	8.71589	0.0313772	2.61E-05	0.042	0.726	0.069	0.726	
1017.925	1017.376	-2.489	-1.607	-2.663	89.55974	0.3224151	0.000268679	0.094	1.525	0.117	1.525	
1018.131	1017.925	-1.627	-1.387	-2.558	353.39	1.272204	0.00106017	0.265	2.292	0.298	2.292	
1018.195	1018.01	-1.564	-1.288	-2.19	558.7332	2.01144	0.0016762	0.469	2.961	0.556	2.961	
1018.023	1017.522	0.432	1.515	-1.939	761.8345	2.742604	0.002285504	0.671	3.475	0.806	3.475	
1017.794	1017.437	1.901	2.125	-0.892	679.2755	2.445392	0.002037826	0.734	3.786	0.968	3.786	
1017.792	1017.406	2.097	2.519	1.75	735.0064	2.646023	0.002205019	0.823	3.896	1.109	3.896	
1017.656	1017.369	2.469	2.714	1.905	343.6886	1.237279	0.001031066	0.519	3.789	0.737	3.789	
1017.69	1017.022	1.048	2.738	0.977	259.596	0.9345458	0.000778788	0.415	3.47	0.59	3.47	
1017.042	1016.502	0.047	1.396	-0.485	262.4534	0.9448323	0.00078736	0.428	2.973	0.618	2.973	
1016.502	1015.808	1.123	1.633	0.013	366.14	1.318104	0.00109842	0.484	2.308	0.687	2.308	
1015.808	1015.105	1.358	1.539	0.447	643.9887	2.318359	0.001931966	0.671	1.545	0.913	1.545	
1015.11	1014.699	1.084	1.572	0.782	347.4463	1.250807	0.001042339	0.434	0.75	0.655	0.75	
1015.032	1014.711	0.5	1.273	0.366	205.8163	0.7409387	0.000617449	0.28	0.086	0.458	0.086	
1015.217	1015.008	0.039	0.641	-0.021	26.96915	0.09708896	8.09E-05	0.079	0	0.12	0	
1015.546	1015.184	-0.144	0.221	-0.26	-5.61015	-0.02019654	-1.68E-05	-0.041	0	-0.058	0	
1015.995	1015.544	-0.211	0.166	-0.297	-4.068658	-0.01464717	-1.22E-05	-0.052	0	-0.08	0	
1016.004	1015.841	-0.069	0.126	-0.394	-3.75142	-0.01350511	-1.13E-05	-0.03	0	-0.04	0	
1015.994	1015.83	0.365	0.854	-0.146	-4.282025	-0.01541529	-1.28E-05	-0.045	0	-0.068	0	
1015.841	1015.617	-1.39	0.694	-1.403	-4.402905	-0.01585046	-1.32E-05	-0.032	0	-0.044	0	
1015.617	1015.556	-1.884	-1.186	-2.12	-4.236874	-0.01525275	-1.27E-05	-0.021	0	-0.025	0	
1015.578	1015.386	-1.89	-1.568	-2.002	-4.496234	-0.01618644	-1.35E-05	-0.028	0	-0.038	0	
1015.582	1015.408	-1.201	-0.828	-2.105	-3.709805	-0.0133553	-1.11E-05	-0.005	0	-0.001	0	
1015.674	1015.449	-1.169	-0.964	-1.742	-3.337368	-0.01201453	-1.00E-05	0.018	0.072	0.033	0.072	
1016.315	1015.64	-0.975	-0.863	-1.506	16.5973	0.05975027	4.98E-05	0.055	0.723	0.088	0.723	
1016.358	1016.086	-0.76	-0.428	-1.292	182.6716	0.6576179	0.000548015	0.17	1.518	0.217	1.518	
1016.703	1016.358	0.052	0.052	-1.244	350.6524	1.262349	0.001051957	0.335	2.284	0.431	2.284	
1016.881	1016.665	1.993	2.291	-0.162	553.2143	1.991572	0.001659643	0.482	2.943	0.587	2.943	
1016.749	1016.535	2.365	2.742	1.73	629.7911	2.267248	0.001889373	0.591	3.451	0.74	3.451	

1016.595	1016.375	2.287	2.678	1.939	987.0662	3.553438	0.002961199	0.874	3.779	1.087	3.779	
1016.375	1016.123	1.571	2.5	0.987	819.934	2.951762	0.002459802	0.797	3.899	1.024	3.899	
1016.201	1015.654	2.443	2.779	1.522	804.4752	2.896111	0.002413425	0.781	3.79	0.999	3.79	
1015.786	1015.494	3.186	3.607	2.39	211.0661	0.7598379	0.000633198	0.379	3.465	0.557	3.465	
1015.579	1015.389	3.482	3.71	2.782	298.655	1.075158	0.000895965	0.424	2.957	0.602	2.957	
1015.447	1015.006	4.946	5.041	3.358	193.4258	0.6963329	0.000580278	0.36	2.293	0.54	2.293	
1015.462	1014.997	8.29	8.44	4.976	124.8842	0.4495831	0.000374653	0.241	1.522	0.365	1.522	
1015.388	1014.846	8.68	8.93	7.898	156.7215	0.5641973	0.000470164	0.139	0.737	0.202	0.737	
1014.873	1014.388	7.515	9.18	7.008	56.42599	0.2031336	0.000169278	0.024	0.087	0.07	0.087	
1014.396	1014.015	9.98	10.1	7.168	37.86203	0.1363033	0.000113586	0.093	0	0.125	0	
1014.152	1013.9	10.74	10.86	9.98	-3.305361	-0.0118993	-9.92E-06	0.05	0	0.071	0	
1014.389	1014.038	9.94	10.91	9.93	-3.657461	-0.01316686	-1.10E-05	0.016	0	0.026	0	
1014.557	1014.323	8.86	10.05	8.83	-3.073171	-0.01106341	-9.22E-06	0.029	0	0.044	0	
1014.385	1014.125	9.02	9.16	8.78	-1.888174	-0.006797427	-5.66E-06	0.041	0	0.059	0	
1014.125	1013.878	9.21	9.39	8.96	-1.783813	-0.006421728	-5.35E-06	0.033	0	0.049	0	
1013.932	1013.467	9.4	9.58	9.05	-1.749958	-0.00629985	-5.25E-06	0.03	0	0.044	0	
1013.498	1013.317	9.04	9.68	8.88	-1.79674	-0.006468264	-5.39E-06	0.022	0	0.034	0	
1013.317	1013.112	9.16	9.27	8.82	-1.796912	-0.006468882	-5.39E-06	0.009	0	0.016	0	
1013.112	1013.008	9.14	9.62	8.99	-1.876812	-0.006756522	-5.63E-06	0.011	0.071	0.02	0.071	
1013.194	1012.987	8.75	9.26	8.4	5.430023	0.01954808	1.63E-05	0.034	0.699	0.056	0.699	
1013.521	1013.194	9.8	9.88	8.72	25.83222	0.09299598	7.75E-05	0.052	1.474	0.077	1.474	
1013.865	1013.505	11.04	11.07	9.73	69.72592	0.2510133	0.000209178	0.093	2.22	0.129	2.22	
1013.985	1013.851	10.99	11.47	10.94	180.2429	0.6488744	0.000540729	0.174	2.868	0.218	2.868	
1013.993	1013.852	12.88	13.09	10.98	111.7618	0.4023426	0.000335286	0.118	3.366	0.153	3.366	
1013.968	1013.839	13.25	13.52	12.55	291.2223	1.0484	0.000873667	0.244	3.684	0.292	3.684	
1013.94	1013.842	14.63	14.67	13.22	154.4728	0.556102	0.000463418	0.135	3.788	0.164	3.788	
1013.976	1013.721	14.87	15.56	14.27	86.26323	0.3105476	0.00025879	0.071	3.674	0.083	3.674	
1013.971	1013.821	15.29	16.1	13.67	260.4179	0.9375043	0.000781254	0.2	3.361	0.216	3.361	
1013.967	1013.844	12.99	16.8	12.51	532.5061	1.917022	0.001597518	0.384	2.876	0.427	2.876	
1013.859	1013.502	12.26	13.67	11.49	436.0512	1.569785	0.001308154	0.335	2.242	0.406	2.242	
1013.65	1013.423	12.03	13.15	10.65	499.45	1.79802	0.00149835	0.361	1.502	0.437	1.502	
1013.453	1013.323	10.69	12.52	10.1	287.0823	1.033496	0.000861247	0.212	0.734	0.28	0.734	
1013.497	1013.373	10.2	11.54	9.72	147.586	0.5313095	0.000442758	0.097	0.089	0.147	0.089	
1013.821	1013.484	13.29	13.35	10.15	39.8337	0.1434013	0.000119501	0.014	0	0.023	0	
1014.294	1013.819	13.21	13.53	13.18	-3.877776	-0.01396	-1.16E-05	-0.008	0	-0.007	0	
1014.741	1014.294	13.69	13.84	13.09	-3.650476	-0.01314171	-1.10E-05	-0.014	0	-0.016	0	
1014.717	1014.539	13.64	13.87	13.51	-3.75328	-0.01351181	-1.13E-05	-0.018	0	-0.022	0	
1014.87	1014.593	13.71	13.98	13.55	-2.651713	-0.009546167	-7.96E-06	-0.019	0	-0.023	0	
1014.856	1014.661	14.1	14.23	13.59	-1.907661	-0.006867579	-5.72E-06	-0.019	0	-0.024	0	
1014.934	1014.723	13.78	14.24	13.76	-1.099628	-0.003958662	-3.30E-06	-0.021	0	-0.027	0	
1015.025	1014.897	13.55	14.03	13.45	-1.167537	-0.004203135	-3.50E-06	-0.021	0	-0.027	0	
1015.087	1014.869	13.03	13.65	12.98	-0.9864458	-0.003551205	-2.96E-06	-0.023	0	-0.03	0	
1015.171	1014.863	12.98	13.17	12.79	-0.9929591	-0.003574653	-2.98E-06	0.001	0.071	0.003	0.071	
1015.204	1014.838	12.99	13.24	12.9	6.460563	0.02325803	1.94E-05	0.01	0.686	0.014	0.686	
1015.755	1015.204	13.08	13.18	12.76	55.72044	0.2005936	0.000167161	0.04	1.454	0.046	1.454	
1016.288	1015.688	11.61	13.43	11.21	273.6402	0.9851046	0.000820921	0.178	2.2	0.202	2.2	
1016.181	1016.063	4.166	11.64	4.023	602.9694	2.17069	0.001808908	0.443	2.9	0.541	2.9	
1016.077	1015.832	5.228	5.263	3.759	789.7935	2.843256	0.00236938	0.603	3.431	0.734	3.431	
1015.881	1015.549	5.195	6.376	4.024	934.3771	3.363757	0.002803131	0.73	3.753	0.878	3.753	
1015.704	1015.334	4.009	6	3.532	1031.101	3.711964	0.003093304	0.82	3.876	0.989	3.876	
1015.502	1014.239	3.345	4.279	2.841	1070.093	3.852337	0.003210281	0.872	3.781	1.066	3.781	
1015.216	1014.983	2.061	3.744	1.026	1047.48	3.770928	0.00314244	0.876	3.473	1.08	3.473	

1015.228	1015.038	0.436	2.934	-0.439	962.7658	3.465957	0.002888298	0.825	2.974	1.031	2.974	
1015.174	1014.781	-0.646	0.707	-2.11	826.1436	2.974117	0.002478431	0.729	2.323	0.935	2.323	
1014.886	1014.584	-0.376	-0.005	-2.969	643.6819	2.317255	0.001931046	0.594	1.565	0.791	1.565	
1015.041	1014.677	1.225	1.33	-1.542	432.8964	1.558427	0.001298689	0.423	0.765	0.593	0.765	
1015.124	1014.842	0.756	1.983	0.755	228.2909	0.8218474	0.000684873	0.245	0.092	0.382	0.092	
1015.26	1014.849	0.575	1.038	0.276	45.02804	0.1621009	0.000135084	0.069	0	0.1	0	
1015.754	1015.26	-0.384	0.576	-1.573	-5.214572	-0.01877246	-1.56E-05	0.032	0	0.051	0	
1016.358	1015.751	-3.417	-0.322	-3.477	-5.847106	-0.02104958	-1.75E-05	0.021	0	0.035	0	
1016.486	1016.25	-3.741	-3.245	-4.53	-5.844739	-0.02104106	-1.75E-05	0.019	0	0.032	0	
1016.511	1016.419	-2.421	-2.184	-3.873	-5.530398	-0.01990943	-1.66E-05	0.008	0	0.017	0	
1016.604	1016.419	-2.232	-1.92	-2.816	-5.22055	-0.01879398	-1.57E-05	0.01	0	0.019	0	
1016.713	1016.601	0.09	0.479	-2.485	-4.970972	-0.0178955	-1.49E-05	-0.007	0	-0.005	0	
1016.945	1016.672	-1.019	0.48	-1.793	-4.75666	-0.01712397	-1.43E-05	0.009	0	0.018	0	
1017.238	1016.931	-0.449	-0.109	-1.178	-4.805723	-0.0173006	-1.44E-05	-0.011	0	-0.011	0	
1017.672	1017.238	-0.741	0.927	-1.414	-4.370955	-0.01573544	-1.31E-05	0.006	0.071	0.012	0.071	
1018.181	1017.672	1.168	1.206	-1.299	9.896331	0.03562679	2.97E-05	0.024	0.716	0.037	0.716	
1018.516	1018.181	0.595	1.89	0.143	198.09	0.7131241	0.00059427	0.152	1.505	0.188	1.505	
1018.825	1018.516	2.005	2.041	0.481	397.4008	1.430643	0.001192203	0.316	2.269	0.395	2.269	
1018.898	1018.75	3.898	3.934	1.609	608.0474	2.18897	0.001824142	0.474	2.926	0.581	2.926	
1018.75	1018.599	3.293	4.298	3.243	795.7288	2.864624	0.002387186	0.627	3.436	0.757	3.436	
1018.633	1018.301	-0.142	3.86	-0.438	942.6689	3.393608	0.002828007	0.763	3.772	0.917	3.772	
1018.387	1018.208	-0.819	0.864	-1.028	1044.093	3.758733	0.003132278	0.879	3.913	1.069	3.913	
1018.208	1017.762	-0.98	0.045	-1.926	1082.804	3.898096	0.003248413	0.919	3.815	1.12	3.815	
1017.865	1017.546	-2.812	-0.016	-3.18	1059.853	3.815472	0.00317956	0.887	3.503	1.059	3.503	
1017.546	1017.095	-4.611	-1.193	-4.611	980.2817	3.529014	0.002940845	0.854	3	1.054	3	
1017.279	1016.953	-4.889	-3.219	-6.294	843.0847	3.035105	0.002529254	0.749	2.346	0.944	2.346	
1016.953	1016.532	-4.849	-3.518	-6.144	656.1483	2.362134	0.001968445	0.602	1.58	0.788	1.58	
1016.862	1016.701	-2.905	-2.735	-5.741	442.9731	1.594703	0.001328919	0.426	0.777	0.591	0.777	
1017.068	1016.801	-1.447	-1.177	-3.748	232.2663	0.8361585	0.000696799	0.247	0.094	0.387	0.094	
1017.473	1017.068	-1.694	-1.252	-2.25	44.56556	0.160436	0.000133697	0.085	0	0.124	0	
1018.087	1017.471	-2.468	-1.283	-2.716	-5.877412	-0.02115868	-1.76E-05	-0.022	0	-0.027	0	
1018.511	1018.087	-1.428	-0.471	-2.563	-5.118556	-0.0184268	-1.54E-05	-0.027	0	-0.036	0	
1018.549	1018.453	-2.088	-1.091	-2.241	-5.639495	-0.02030218	-1.69E-05	-0.005	0	-0.001	0	
1018.598	1018.53	-4.118	-1.904	-4.577	-5.464014	-0.01967045	-1.64E-05	0	0	0.007	0	
1018.672	1018.496	-1.435	-0.876	-4.343	-5.199842	-0.01871943	-1.56E-05	-0.042	0	-0.064	0	
1018.669	1018.577	-1.631	-1.405	-3.531	-4.060403	-0.01461745	-1.22E-05	-0.036	0	-0.053	0	
1018.758	1018.618	-2.325	-1.326	-3.668	-4.727223	-0.017018	-1.42E-05	-0.011	0	-0.011	0	
1018.916	1018.758	-5.24	-1.155	-5.247	-4.595872	-0.01654514	-1.38E-05	-0.005	0	-0.002	0	
1019.199	1018.896	-1.916	-1.908	-5.247	-4.443828	-0.01599778	-1.33E-05	0.024	0.07	0.043	0.07	
1019.661	1019.199	-4.595	-1.446	-5.25	9.019648	0.03247073	2.71E-05	0.038	0.72	0.063	0.72	
1019.763	1019.654	-4.387	-1.759	-5.075	204.1347	0.734885	0.000612404	0.152	1.52	0.19	1.52	
1019.891	1019.675	-3.799	-2.847	-4.635	404.618	1.456625	0.001213854	0.293	2.291	0.349	2.291	
1019.946	1019.795	-3.388	-2.739	-4.735	613.3035	2.207892	0.00183991	0.444	2.964	0.494	2.964	
1019.795	1019.716	-3.66	-1.4	-3.969	808.0453	2.908963	0.002424136	0.617	3.479	0.689	3.479	
1019.795	1019.599	-10.68	-3.724	-11.01	968.1074	3.485187	0.002904322	0.747	3.838	0.836	3.838	
1019.606	1019.265	-12.16	-8.65	-13.34	1068.216	3.845578	0.003204648	0.835	3.979	0.945	3.979	
1019.265	1018.677	-8.1	-7.034	-11.92	1100.698	3.962514	0.003302095	0.869	3.867	0.981	3.867	
1018.677	1018.076	-6.742	-6.383	-8.25	1072.105	3.859576	0.003216314	0.858	3.538	0.975	3.538	
1018.076	1017.344	-9.68	-5.963	-9.96	986.9321	3.552955	0.002960796	0.816	3.03	0.955	3.03	
1017.605	1017.368	-9.94	-7.618	-11.4	848.0378	3.052936	0.002544113	0.722	2.37	0.876	2.37	
1017.368	1016.978	-9.01	-7.895	-10.87	655.775	2.36079	0.001967325	0.525	1.598	0.635	1.598	
1017.005	1016.779	-9.97	-7.721	-10.06	444.957	1.601845	0.001334871	0.402	0.789	0.548	0.789	

1017.139	1016.859	-9.94	-8.82	-11.17	237.5891	0.8553206	0.000712767	0.203	0.097	0.317	0.097
1017.453	1017.139	-8.18	-7.393	-10.17	45.9037	0.1652533	0.000137711	0.063	0	0.102	0
1018.16	1017.453	-6.153	-5.463	-8.52	-7.556392	-0.02720301	-2.27E-05	0.022	0	0.043	0
1018.907	1018.16	-6.999	-5.701	-7.943	-6.150949	-0.02214342	-1.85E-05	-0.014	0	-0.012	0
1018.985	1018.907	-6.857	-6.029	-7.775	-6.058962	-0.02181226	-1.82E-05	0.01	0	0.022	0
1019.001	1018.898	-6.768	-6.32	-7.287	-6.056769	-0.02180437	-1.82E-05	0.012	0	0.026	0
1019.276	1018.896	-6.45	-6.065	-7.168	-5.890017	-0.02120406	-1.77E-05	-0.017	0	-0.019	0
1019.276	1019.064	-5.973	-5.421	-8.05	-5.107743	-0.01838787	-1.53E-05	-0.014	0	-0.015	0
1019.414	1019.054	-5.673	-5.284	-7.371	-5.295016	-0.01906206	-1.59E-05	-0.016	0	-0.018	0
1019.614	1019.274	-5.582	-4.648	-6.285	-5.001591	-0.01800573	-1.50E-05	-0.015	0	-0.016	0
1019.88	1019.469	-6.529	-4.549	-7.228	-4.422704	-0.01592173	-1.33E-05	0.037	0.069	0.067	0.069
1020.4	1019.853	-7.235	-5.467	-7.462	7.766833	0.0279606	2.33E-05	0.062	0.723	0.106	0.723
1020.843	1020.387	-6.208	-5.991	-7.414	205.6946	0.7405007	0.000617084	0.173	1.527	0.226	1.527
1021.022	1020.782	-5.823	-5.434	-6.368	404.6458	1.456725	0.001213937	0.334	2.297	0.419	2.297
1021.021	1020.697	-4.164	-3.935	-6.146	616.8107	2.220518	0.001850432	0.527	2.967	0.652	2.967
1020.716	1020.495	-4.498	-3.504	-4.792	805.8889	2.9012	0.002417667	0.672	3.487	0.788	3.487
1020.495	1020.071	-5.663	-3.953	-5.777	959.9089	3.455672	0.002879727	0.795	3.826	0.915	3.826
1020.078	1019.853	-6.147	-4.51	-6.485	1060.897	3.819229	0.003182691	0.875	3.949	1.001	3.949
1019.853	1019.291	-5.704	-5.049	-6.566	1102.014	3.96725	0.003306042	0.916	3.849	1.054	3.849
1019.291	1018.736	-5.644	-4.872	-7.01	1079.349	3.885657	0.003238048	0.933	3.532	1.104	3.532
1018.743	1018.447	-6.876	-5.053	-7.425	993.38	3.576168	0.00298014	0.854	3.025	1.012	3.025
1018.447	1017.855	-6.116	-5.409	-7.849	843.2331	3.035639	0.002529699	0.697	2.359	0.818	2.359
1017.855	1017.407	-5.937	-4.862	-6.445	651.7264	2.346215	0.001955179	0.562	1.589	0.699	1.589
1017.432	1017.111	-6.348	-5.346	-7.376	438.3499	1.57806	0.00131505	0.337	0.787	0.429	0.787
1017.583	1017.192	-6.922	-5.724	-7.05	233.5707	0.8408546	0.000700712	0.234	0.098	0.374	0.098
1017.989	1017.583	-6.104	-5.706	-7.249	46.08649	0.1659114	0.00013826	0.067	0	0.11	0
1018.744	1017.989	-5.859	-4.322	-6.909	-7.208406	-0.02595026	-2.16E-05	0.044	0	0.075	0
1019.322	1018.744	-5.015	-4.984	-5.858	-6.845399	-0.02464344	-2.05E-05	0.028	0	0.051	0
1019.472	1019.322	-5.236	-4.719	-5.362	-6.662251	-0.0239841	-2.00E-05	0.016	0	0.032	0
1019.459	1019.287	-5.336	-4.847	-5.534	-6.053998	-0.02179439	-1.82E-05	-0.003	0	0.003	0
1019.287	1019.102	-5.622	-4.575	-6.142	-5.749451	-0.02069802	-1.72E-05	0.002	0	0.011	0
1019.443	1019.066	-5.616	-3.711	-5.965	-5.929036	-0.02134453	-1.78E-05	0.002	0	0.01	0
1019.682	1019.395	-6.045	-4.007	-6.235	-5.143444	-0.0185164	-1.54E-05	-0.018	0	-0.021	0
1019.821	1019.672	-3.689	-3.373	-6.161	-4.967179	-0.01788184	-1.49E-05	-0.017	0	-0.02	0
1020.258	1019.821	-5.551	-3.61	-6.091	-4.467445	-0.0160828	-1.34E-05	0.037	0.068	0.066	0.068
1020.799	1020.258	-5.304	-4.964	-5.951	7.472045	0.02689936	2.24E-05	0.034	0.719	0.055	0.719
1020.926	1020.736	-4.78	-1.622	-5.406	202.2726	0.7281812	0.000606818	0.159	1.514	0.195	1.514
1021.157	1020.863	-4.566	-4.277	-5.392	400.7474	1.442691	0.001202242	0.313	2.29	0.374	2.29
1021.194	1020.946	-4.631	-3.936	-5.322	608.5204	2.190674	0.001825561	0.461	2.963	0.511	2.963
1020.962	1020.609	-4.44	-3.3	-4.921	803.296	2.891865	0.002409888	0.645	3.485	0.728	3.485
1020.609	1020.295	-6.118	-3.896	-7.499	959.0309	3.452511	0.002877093	0.79	3.828	0.899	3.828
1020.295	1019.689	-6.125	-4.712	-6.829	1060.149	3.816535	0.003180446	0.895	3.951	1.034	3.951
1019.774	1019.257	-7.23	-5.441	-7.89	1103.886	3.97399	0.003311659	0.969	3.854	1.15	3.854
1019.311	1018.617	-6.163	-5.297	-7.468	1073.927	3.866139	0.003221783	0.937	3.536	1.108	3.536
1018.617	1018.183	-7.239	-5.409	-7.652	987.884	3.556383	0.002963652	0.906	3.027	1.112	3.027
1018.245	1017.697	-5.352	-4.404	-7.615	841.9658	3.031077	0.002525897	0.801	2.358	1.015	2.358
1017.697	1017.339	-5.562	-5.206	-6.949	658.571	2.370856	0.001975713	0.669	1.593	0.896	1.593
1017.367	1017.176	-5.002	-4.756	-6.633	443.9747	1.598309	0.001331924	0.491	0.789	0.705	0.789
1017.484	1017.236	-5.665	-4.826	-5.665	234.4543	0.8440354	0.000703363	0.341	0.099	0.561	0.099
1017.707	1017.484	-5.466	-4.97	-5.715	46.56665	0.16764	0.0001397	0.119	0	0.176	0
1018.254	1017.707	-5.288	-4.997	-5.916	-7.019286	-0.02526943	-2.11E-05	0.016	0	0.034	0
1018.649	1018.254	-4.486	-4.265	-5.404	-6.888482	-0.02479853	-2.07E-05	0.004	0	0.015	0

1018.649	1018.499	-4.653	-4.15	-4.666	-6.398062	-0.02303302	-1.92E-05	0.03	0	0.053	0
1018.565	1018.417	-4.543	-4.244	-4.967	-6.542495	-0.02355298	-1.96E-05	-0.002	0	0.005	0
1018.417	1018.247	-4.656	-3.526	-4.713	-5.473203	-0.01970353	-1.64E-05	-0.02	0	-0.023	0
1018.28	1018.198	-4.399	-3.418	-4.883	-6.27837	-0.02260213	-1.88E-05	-0.016	0	-0.017	0
1018.238	1017.799	-4.047	-3.267	-4.795	-4.974833	-0.0179094	-1.49E-05	-0.033	0	-0.046	0
1018.318	1017.88	-3.642	-3.092	-4.707	-4.951474	-0.01782531	-1.49E-05	-0.04	0	-0.059	0
1018.863	1018.318	-3.848	-3.134	-4.851	-4.486546	-0.01615156	-1.35E-05	0.023	0.067	0.042	0.067
1018.773	1018.65	-3.761	-3.344	-4.255	7.600452	0.02736163	2.28E-05	0.026	0.713	0.041	0.713
1018.763	1018.592	-1.836	-1.468	-3.767	199.898	0.7196329	0.000599694	0.136	1.507	0.152	1.507
1018.913	1018.763	-3.955	-1.348	-4.411	399.0487	1.436575	0.001197146	0.296	2.28	0.338	2.28
1018.789	1018.651	-4.589	-3.387	-4.757	620.0192	2.232069	0.001860058	0.521	2.958	0.626	2.958
1018.651	1018.365	-4.718	-3.872	-4.962	816.987	2.941153	0.002450961	0.695	3.484	0.828	3.484
1018.396	1017.852	-10.63	-4.268	-11.16	971.5293	3.497505	0.002914588	0.788	3.832	0.891	3.832
1017.896	1017.445	-8.87	-8.25	-12.47	1072.418	3.860703	0.003217253	0.93	3.973	1.105	3.973
1017.445	1016.936	-10.58	-8.46	-11.37	1109.521	3.994276	0.003328563	0.973	3.871	1.162	3.871
1016.955	1016.231	-10.41	-9.13	-11.81	1085.903	3.909251	0.00325771	0.964	3.558	1.16	3.558
1016.231	1015.69	-10.1	-8.85	-11.49	998.2771	3.593797	0.002994831	0.883	3.046	1.066	3.046
1015.69	1014.982	-11.52	-9.84	-12.16	854.6547	3.076757	0.002563964	0.771	2.381	0.958	2.381
1015.028	1014.652	-10.86	-9.91	-12.41	666.1472	2.39813	0.001998442	0.616	1.611	0.797	1.611
1014.681	1014.328	-10.63	-9.34	-11.14	448.963	1.616267	0.001346889	0.438	0.8	0.612	0.8
1014.581	1014.357	-11.82	-10.09	-12.28	238.6621	0.8591837	0.000715986	0.248	0.101	0.401	0.101
1014.751	1014.567	-11.46	-11.13	-12.43	46.88623	0.1687904	0.000140659	0.084	0	0.134	0
1015.335	1014.736	-12.86	-11.01	-12.96	-7.702858	-0.02773029	-2.31E-05	0.055	0	0.092	0
1016.17	1015.335	-11.49	-11.32	-13.02	-7.166387	-0.02579899	-2.15E-05	-0.022	0	-0.025	0
1016.17	1016.045	-9.95	-9.73	-11.49	-6.624357	-0.02384769	-1.99E-05	-0.005	0	0.001	0
1016.297	1016.142	-9.52	-8.9	-10.52	-6.304003	-0.02269441	-1.89E-05	-0.044	0	-0.064	0
1016.276	1015.871	-9.41	-8.7	-9.67	-4.664351	-0.01679167	-1.40E-05	-0.038	0	-0.053	0
1015.962	1015.836	-8.79	-8.52	-9.62	-6.111535	-0.02200153	-1.83E-05	-0.036	0	-0.049	0
1016.02	1015.872	-7.978	-7.656	-9.29	-5.194523	-0.01870028	-1.56E-05	-0.042	0	-0.061	0
1015.954	1015.836	-8.21	-7.549	-8.65	-4.015745	-0.01445668	-1.20E-05	-0.043	0	-0.065	0
1016.102	1015.93	-7.495	-7.227	-8.7	-4.482071	-0.01613546	-1.34E-05	0.009	0.066	0.018	0.066
1016.5	1016.08	-8.95	-7.399	-9.13	7.249781	0.02609921	2.17E-05	0.049	0.717	0.082	0.717
1016.841	1016.484	-8.62	-7.56	-9.33	200.1854	0.7206674	0.000600556	0.144	1.523	0.169	1.523
1017.057	1016.841	-6.565	-6.551	-9.26	400.8094	1.442914	0.001202428	0.327	2.297	0.399	2.297
1017.11	1016.91	-3.51	-2.781	-7.018	615.5172	2.215862	0.001846552	0.559	2.959	0.711	2.959
1016.922	1016.735	-3.284	-2.568	-4.385	805.589	2.90012	0.002416767	0.709	3.476	0.871	3.476
1016.735	1016.326	-5.049	-2.677	-5.943	951.9281	3.426941	0.002855784	0.813	3.817	0.956	3.817
1016.341	1015.987	-5.278	-4.401	-7.25	1052.231	3.788033	0.003156694	0.972	3.95	1.206	3.95
1016.14	1015.925	-4.009	-3.503	-5.73	1095.5	3.943801	0.003286501	1.039	3.843	1.314	3.843
1015.936	1015.65	-4.3	-3.357	-5.328	1067.581	3.843291	0.003202742	1.034	3.526	1.326	3.526
1015.756	1015.347	-4.397	-3.359	-5.171	979.1406	3.524906	0.002937422	0.937	3.018	1.194	3.018
1015.474	1015.347	-6.321	-3.516	-7.224	839.5655	3.022436	0.002518696	0.85	2.359	1.125	2.359
1015.45	1015.028	-3.811	-3.802	-7.444	656.3959	2.363025	0.001969188	0.687	1.597	0.939	1.597
1015.145	1014.857	-3.272	-3.239	-4.781	442.3538	1.592474	0.001327061	0.514	0.791	0.75	0.791
1015.208	1014.944	-1.874	0.121	-3.884	230.985	0.8315458	0.000692955	0.31	0.101	0.501	0.101
1015.731	1015.203	-3.111	-1.356	-4.11	41.57945	0.149686	0.000124738	0.124	0	0.178	0
1016.257	1015.731	-2.284	-2.264	-3.777	-6.300511	-0.02268184	-1.89E-05	0.004	0	0.015	0
1016.542	1016.257	-0.725	-0.525	-2.35	-5.820463	-0.02095367	-1.75E-05	-0.033	0	-0.046	0
1016.611	1016.494	2.461	2.617	-0.782	-4.883179	-0.01757944	-1.46E-05	-0.02	0	-0.023	0
1016.595	1016.476	3.818	4.211	2.314	-5.299352	-0.01907767	-1.59E-05	-0.016	0	-0.017	0
1016.526	1016.368	4.692	5.185	3.815	-4.629289	-0.01666544	-1.39E-05	-0.035	0	-0.051	0
1016.546	1016.374	4.209	4.929	4.1	-4.855743	-0.01748068	-1.46E-05	-0.016	0	-0.019	0

1016.463	1016.292	3.678	4.348	3.545	-4.433197	-0.01595951	-1.33E-05	-0.043	0	-0.066	0
1016.406	1016.228	3.839	4.022	3.4	-4.103784	-0.01477362	-1.23E-05	-0.041	0	-0.063	0
1017.04	1016.391	3.274	3.922	3.25	-4.252322	-0.01530836	-1.28E-05	0.006	0.065	0.012	0.065
1017.583	1017.04	3.427	3.711	3.022	8.410657	0.03027837	2.52E-05	0.018	0.692	0.026	0.692
1018.264	1017.583	2.431	4.127	2.431	186.1529	0.6701505	0.000558459	0.135	1.478	0.157	1.478
1018.797	1018.264	4.135	4.619	2.329	387.8147	1.396133	0.001163444	0.301	2.239	0.355	2.239
1018.951	1018.769	3.178	4.359	2.668	599.3823	2.157776	0.001798147	0.491	2.907	0.586	2.907
1018.977	1018.846	2.157	3.174	0.608	788.3535	2.838073	0.002365061	0.657	3.437	0.78	3.437
1018.891	1018.705	-5.023	2.437	-5.258	935.2228	3.366802	0.002805669	0.786	3.78	0.923	3.78
1018.705	1018.422	-4.855	-4.431	-5.674	1044.225	3.759209	0.003132674	0.909	3.945	1.095	3.945
1018.482	1018.145	-4.826	-3.661	-5.262	1085.991	3.909568	0.003257973	0.928	3.843	1.099	3.843
1018.145	1017.713	-4.446	-3.65	-5.021	1063.057	3.827007	0.003189172	0.924	3.527	1.107	3.527
1017.713	1017.546	-3.681	-3.243	-4.494	975.3826	3.511378	0.002926148	0.859	3.017	1.044	3.017
1017.579	1017.28	-3.236	-2.77	-3.924	831.0457	2.991765	0.002493137	0.762	2.354	0.959	2.354
1017.328	1016.958	-3.493	-2.644	-3.565	646.4296	2.327146	0.001939289	0.633	1.59	0.84	1.59
1016.987	1016.726	-3.66	-3.059	-4.198	436.0242	1.569687	0.001308073	0.452	0.792	0.64	0.792
1016.925	1016.752	-1.51	-1.222	-3.743	227.6211	0.819436	0.000682863	0.29	0.102	0.469	0.102
1017.117	1016.837	-1.695	-1.344	-1.92	43.69561	0.1573042	0.000131087	0.11	0	0.16	0
1017.775	1017.115	-2.074	-1.491	-2.265	-6.30337	-0.02269213	-1.89E-05	0.011	0	0.025	0
1018.278	1017.775	-1.35	-1.135	-2.133	-5.882889	-0.0211784	-1.76E-05	0.004	0	0.014	0
1018.29	1018.239	-1.225	-0.969	-1.404	-5.679286	-0.02044543	-1.70E-05	0.005	0	0.016	0
1018.333	1018.249	-1.375	-1.087	-1.496	-5.596145	-0.02014612	-1.68E-05	0.004	0	0.014	0
1018.453	1018.331	-1.144	-1.112	-1.485	-5.101392	-0.01836501	-1.53E-05	-0.037	0	-0.053	0
1018.782	1018.453	-1.402	-0.936	-1.405	-4.538492	-0.01633857	-1.36E-05	-0.036	0	-0.051	0
1019.023	1018.782	-1.015	-0.836	-1.442	-4.36276	-0.01570594	-1.31E-05	-0.024	0	-0.031	0
1019.18	1018.993	-2.003	-0.861	-2.122	-4.429804	-0.01594729	-1.33E-05	-0.013	0	-0.014	0
1019.443	1019.147	-1.923	-1.424	-2.133	-4.285733	-0.01542864	-1.29E-05	0.042	0.064	0.075	0.064
1019.945	1019.443	-0.655	-0.603	-1.953	8.855421	0.03187951	2.66E-05	0.031	0.698	0.049	0.698
1020.4	1019.945	-1.067	-0.593	-1.842	185.2278	0.6668202	0.000555684	0.146	1.493	0.178	1.493
1020.721	1020.4	-0.671	-0.516	-1.139	380.478	1.369721	0.001141434	0.279	2.259	0.314	2.259
1020.84	1020.683	-0.333	0.105	-0.807	591.9847	2.131145	0.001775954	0.471	2.928	0.543	2.928
1020.83	1020.424	0.037	0.491	-0.438	784.36	2.823696	0.00235308	0.647	3.45	0.755	3.45
1020.6	1020.424	0.129	0.51	-0.455	934.3632	3.363708	0.00280309	0.758	3.786	0.856	3.786
1020.43	1019.95	0.053	0.707	-0.645	1034.246	3.723286	0.003102739	0.853	3.908	0.971	3.908
1019.959	1019.145	-0.386	0.255	-1.661	1075.919	3.873309	0.003227758	0.881	3.816	0.994	3.816
1019.145	1018.537	-0.134	0.266	-0.743	1049.77	3.779173	0.003149311	0.872	3.502	0.993	3.502
1018.537	1018.091	-1.193	-0.017	-1.244	976.6424	3.515913	0.002929927	0.856	3	1.019	3
1018.121	1017.46	-1.203	-0.741	-1.924	786.2754	2.830591	0.002358826	0.706	2.346	0.871	2.346
1017.604	1017.231	-1.841	-0.951	-1.947	640.5042	2.305815	0.001921513	0.589	1.586	0.754	1.586
1017.441	1017.199	-1.716	-0.698	-2.046	424.4017	1.527846	0.001273205	0.481	0.789	0.696	0.789
1017.831	1017.367	-1.585	-1.384	-2.148	206.4062	0.7430624	0.000619219	0.289	0.103	0.479	0.103
1018.062	1017.831	-1.156	-0.842	-1.674	41.26047	0.1485377	0.000123781	0.108	0	0.161	0
1018.672	1018.046	-0.819	-0.761	-1.234	-6.473656	-0.02330516	-1.94E-05	0.005	0	0.017	0
1019.036	1018.672	-1.111	-0.72	-1.166	-6.045686	-0.02176447	-1.81E-05	0.001	0	0.011	0
1019.196	1019.001	-1.72	-0.898	-1.722	-5.970067	-0.02149224	-1.79E-05	0.006	0	0.017	0
1019.232	1018.96	-1.587	-1.415	-1.866	-5.412262	-0.01948414	-1.62E-05	0.011	0	0.025	0
1019.235	1019.081	-1.545	-1.197	-1.728	-5.600842	-0.02016303	-1.68E-05	-0.018	0	-0.021	0
1019.317	1019.107	-1.849	-1.366	-2.009	-4.809508	-0.01731423	-1.44E-05	-0.01	0	-0.007	0
1019.354	1019.242	-1.503	-1.304	-2.024	-4.985335	-0.0179472	-1.50E-05	-0.04	0	-0.059	0
1019.602	1019.245	-1.73	-1.332	-1.986	-4.47964	-0.0161267	-1.34E-05	-0.028	0	-0.038	0
1020.018	1019.483	-2.142	-1.439	-2.204	-3.937601	-0.01417537	-1.18E-05	0.024	0.062	0.044	0.062
1020.281	1020.018	-1.622	-1.531	-2.176	7.735597	0.02784815	2.32E-05	0.019	0.695	0.029	0.695

1020.901	1020.256	-2.367	-1.22	-2.884	179.6715	0.6468173	0.000539014	0.159	1.492	0.204	1.492
1021.175	1020.901	-1.604	-1.278	-2.369	377.1156	1.357616	0.001131347	0.28	2.26	0.318	2.26
1021.235	1021.048	-1.231	-0.939	-1.804	586.9215	2.112917	0.001760765	0.481	2.932	0.565	2.932
1021.083	1020.901	-1.317	-0.881	-1.648	779.3764	2.805755	0.002338129	0.666	3.456	0.792	3.456
1020.997	1020.849	-1.96	-1.062	-2.265	932.0371	3.355334	0.002796111	0.799	3.797	0.94	3.797
1020.849	1020.177	-1.978	-1.569	-2.485	1032.206	3.715942	0.003096618	0.873	3.923	1.009	3.923
1020.177	1019.559	-2.576	-1.604	-2.819	1076.029	3.873703	0.003228086	0.954	3.826	1.142	3.826
1019.575	1019.102	-2.94	-2.113	-3.178	1055.759	3.800731	0.003167276	0.964	3.518	1.175	3.518
1019.201	1018.853	-2.533	-2.235	-3.509	970.7495	3.494698	0.002912248	0.891	3.014	1.096	3.014
1018.939	1018.455	-3.565	-2.351	-3.851	833.8608	3.001899	0.002501582	0.756	2.356	0.935	2.356
1018.455	1018.075	-5.009	-3.112	-5.312	647.8708	2.332335	0.001943612	0.59	1.598	0.753	1.598
1018.123	1017.963	-7.982	-4.998	-8.08	443.9109	1.598079	0.001331733	0.406	0.801	0.552	0.801
1018.305	1018	-7.868	-6.787	-8.17	238.0133	0.8568479	0.00071404	0.309	0.105	0.503	0.105
1018.77	1018.305	-8.01	-7.389	-8.42	47.18626	0.1698705	0.000141559	0.093	0	0.143	0
1019.18	1018.77	-8.33	-7.611	-8.37	-7.048775	-0.02537559	-2.11E-05	0.008	0	0.023	0
1019.704	1019.18	-8.12	-7.724	-8.37	-6.448817	-0.02321574	-1.93E-05	-0.001	0	0.008	0
1019.835	1019.704	-7.597	-7.34	-8.17	-6.179001	-0.02224441	-1.85E-05	-0.05	0	-0.074	0
1019.811	1019.704	-7.42	-7.195	-7.669	-4.699948	-0.01691981	-1.41E-05	-0.045	0	-0.066	0
1019.772	1019.585	-7.286	-7.052	-7.674	-5.2986	-0.01907496	-1.59E-05	-0.056	0	-0.086	0
1019.645	1019.523	-7.733	-7.273	-8.07	-5.091751	-0.01833031	-1.53E-05	-0.037	0	-0.052	0
1019.642	1019.5	-7.637	-7.394	-7.956	-5.291037	-0.01904773	-1.59E-05	-0.033	0	-0.046	0
1019.653	1019.521	-7.689	-7.466	-7.854	-4.474347	-0.01610765	-1.34E-05	-0.041	0	-0.061	0
1019.751	1019.584	-7.77	-7.392	-7.833	-5.018507	-0.01806662	-1.51E-05	0.04	0.061	0.071	0.061
1020.068	1019.748	-7.52	-7.322	-7.945	6.027631	0.02169947	1.81E-05	0.044	0.701	0.073	0.701
1020.389	1020.017	-7.726	-6.755	-8.71	196.6989	0.7081161	0.000590097	0.153	1.505	0.192	1.505
1020.69	1020.389	-7.915	-7.217	-8.2	401.9926	1.447173	0.001205978	0.314	2.282	0.382	2.282
1020.859	1020.634	-7.695	-7.045	-8.4	617.7458	2.223885	0.001853237	0.483	2.962	0.559	2.962
1020.672	1020.502	-9.87	-6.968	-10.6	819.6195	2.95063	0.002458859	0.707	3.496	0.857	3.496
1020.535	1020.294	-10.09	-9.3	-10.58	972.3566	3.500484	0.00291707	0.83	3.844	0.989	3.844
1020.294	1019.605	-11.4	-9.48	-12.11	1075.001	3.870002	0.003225002	0.947	3.974	1.147	3.974
1019.611	1019.164	-12.22	-11.29	-13.57	1116.214	4.018371	0.003348642	1	3.885	1.22	3.885
1019.194	1018.818	-12.87	-11.25	-15.48	1096.356	3.946883	0.003289069	1.025	3.572	1.285	3.572
1018.827	1018.361	-15.95	-11.03	-15.96	1010.007	3.636025	0.003030021	0.943	3.064	1.188	3.064
1018.361	1017.847	-14.21	-13.15	-19.78	869.2707	3.129375	0.002607812	0.826	2.401	1.063	2.401
1017.897	1017.541	-12.65	-11.38	-14.42	676.0739	2.433866	0.002028222	0.663	1.623	0.884	1.623
1017.619	1017.45	-12.69	-12.18	-15.11	461.7945	1.66246	0.001385383	0.484	0.813	0.692	0.813
1017.74	1017.503	-13.21	-12.46	-13.82	247.8394	0.892222	0.000743518	0.305	0.106	0.497	0.106
1018.106	1017.74	-11.39	-11	-13.57	50.50845	0.1818304	0.000151525	0.092	0	0.141	0
1018.456	1018.106	-11.03	-11.03	-11.78	-7.064578	-0.02543248	-2.12E-05	-0.025	0	-0.03	0
1018.83	1018.456	-12.69	-11.07	-12.81	-6.793342	-0.02445603	-2.04E-05	-0.015	0	-0.013	0
1018.787	1018.659	-13.06	-12.44	-13.38	-6.414672	-0.02309282	-1.92E-05	-0.008	0	-0.003	0
1018.707	1018.598	-12.97	-12.67	-13.45	-6.109663	-0.02199479	-1.83E-05	-0.028	0	-0.036	0
1018.617	1018.206	-11.96	-11.67	-13.06	-5.176265	-0.01863456	-1.55E-05	-0.032	0	-0.043	0
1018.228	1018.136	-9.25	-9.19	-12.24	-4.91843	-0.01770635	-1.48E-05	-0.032	0	-0.043	0
1018.162	1017.917	-9.89	-9.15	-10.36	-4.885929	-0.01758934	-1.47E-05	-0.032	0	-0.043	0
1018.003	1017.84	-10.71	-9.81	-10.82	-4.733411	-0.01704028	-1.42E-05	-0.046	0	-0.07	0
1017.852	1017.772	-11.18	-9.38	-11.25	-3.910517	-0.01407786	-1.17E-05	0.023	0.06	0.042	0.06
1018.284	1017.846	-11.01	-10.41	-11.41	5.465184	0.01967466	1.64E-05	0.04	0.701	0.067	0.701
1018.443	1018.26	-10.23	-9.79	-11.23	198.3695	0.7141302	0.000595109	0.159	1.508	0.201	1.508
1018.558	1018.443	-7.555	-7.262	-10.23	399.9385	1.439779	0.001199816	0.328	2.282	0.405	2.282
1018.594	1018.412	-5.156	-4.925	-7.776	616.024	2.217686	0.001848072	0.545	2.954	0.689	2.954
1018.564	1018.17	-4.515	-3.795	-5.54	806.8654	2.904716	0.002420596	0.724	3.472	0.9	3.472



1018.217	1017.99	-7.372	-4.074	-9.4	955.8453	3.441043	0.002867536	0.873	3.827	1.079	3.827	
1018.041	1017.776	-7.244	-5.815	-11.33	1063.123	3.827242	0.003189368	0.957	3.958	1.174	3.958	
1017.816	1017.308	-9.29	-6.268	-11.55	1113.022	4.006879	0.003339066	1.011	3.864	1.249	3.864	
1017.357	1016.816	-6.926	-6.798	-14.18	1086.768	3.912365	0.003260304	1.021	3.553	1.29	3.553	
1016.816	1016.337	-10.68	-4.722	-10.68	995.2158	3.582777	0.002985647	0.951	3.038	1.214	3.038	
1016.417	1016.042	-10.75	-7.271	-13.47	856.6069	3.083785	0.002569821	0.847	2.385	1.113	2.385	
1016.083	1015.709	-9.45	-7.184	-12.64	667.9857	2.404748	0.002003957	0.709	1.614	0.977	1.614	
1015.709	1015.447	-8.04	-6.012	-12.31	350.3699	1.261332	0.00105111	0.433	0.806	0.662	0.806	
1015.453	1015.358	-6.586	-6.519	-10.8	244.6166	0.8806199	0.00073385	0.31	0.106	0.501	0.106	
1015.558	1015.351	-7.027	-6.122	-7.527	50.39777	0.181432	0.000151193	0.119	0	0.173	0	
1016.145	1015.541	-6.32	-6.179	-7.146	-6.173491	-0.02222457	-1.85E-05	0.008	0	0.021	0	
1016.694	1016.145	-6.371	-6.179	-6.76	-5.40026	-0.01944094	-1.62E-05	-0.059	0	-0.091	0	
1016.805	1016.694	-5.728	-5.397	-6.516	-5.160357	-0.01857728	-1.55E-05	-0.029	0	-0.038	0	
1016.801	1016.598	-3.683	-2.886	-5.782	-4.96356	-0.01786881	-1.49E-05	-0.001	0	0.006	0	
1016.707	1016.545	-0.263	-0.18	-4.246	-4.913237	-0.01768765	-1.47E-05	-0.002	0	0.004	0	
1016.71	1016.573	1.086	1.466	-0.304	-5.039452	-0.01814203	-1.51E-05	-0.011	0	-0.011	0	
1016.698	1016.525	0.615	1.235	-0.291	-4.684481	-0.01686413	-1.41E-05	-0.036	0	-0.051	0	
1016.748	1016.608	-0.017	0.75	-0.606	-4.112232	-0.01480404	-1.23E-05	-0.029	0	-0.04	0	
1017.047	1016.619	0.47	0.654	-0.308	-5.054803	-0.01819729	-1.52E-05	0.063	0.058	0.113	0.058	
1017.688	1017.047	0.235	0.671	-0.839	6.690257	0.02408493	2.01E-05	0.037	0.678	0.061	0.678	
1017.899	1017.663	1.148	1.337	-0.367	182.742	0.6578711	0.000548226	0.159	1.47	0.202	1.47	
1017.951	1017.82	0.273	1.371	0.263	385.8853	1.389187	0.001157656	0.361	2.235	0.476	2.235	
1018.035	1017.913	0.817	1.471	-0.222	598.9689	2.156288	0.001796907	0.547	2.91	0.707	2.91	
1018.051	1017.885	0.917	1.558	-0.187	788.469	2.838488	0.002365407	0.709	3.435	0.901	3.435	
1018.06	1017.787	-1.577	1.133	-2.358	940.0071	3.384026	0.002820021	0.819	3.78	1.009	3.78	
1017.916	1017.466	-3.239	-0.998	-3.585	1043.946	3.758205	0.003131838	0.913	3.921	1.122	3.921	
1017.623	1017.191	-7.276	-2.325	-9.76	1092.052	3.931388	0.003276157	0.956	3.852	1.177	3.852	
1017.268	1016.942	-4.455	-4.455	-8.07	1068.067	3.84504	0.0032042	0.929	3.54	1.138	3.54	
1017.065	1016.608	-4.781	-3.681	-6.466	987.2477	3.554092	0.002961743	0.87	3.028	1.072	3.028	
1016.73	1016.119	-6.937	-4.534	-7.1	842.2115	3.031961	0.002526634	0.776	2.372	0.995	2.372	
1016.181	1015.753	-6.4	-4.873	-6.972	656.5899	2.363724	0.00196977	0.617	1.606	0.814	1.606	
1015.753	1015.466	-5.335	-4.287	-6.832	441.9675	1.591083	0.001325903	0.431	0.801	0.602	0.801	
1015.794	1015.463	-5.002	-4.659	-6.228	235.2592	0.8469332	0.000705778	0.283	0.105	0.453	0.105	
1016.218	1015.794	-4.74	-4.114	-5.357	47.19267	0.1698936	0.000141578	0.103	0	0.149	0	
1016.621	1016.218	-4.813	-4.447	-5.069	-6.175487	-0.02223175	-1.85E-05	-0.032	0	-0.043	0	
1017.156	1016.621	-4.262	-3.513	-4.908	-5.252155	-0.01890776	-1.58E-05	-0.045	0	-0.066	0	
1017.248	1017.108	-3.172	-3.087	-4.42	-5.01231	-0.01804432	-1.50E-05	-0.028	0	-0.037	0	
1017.515	1017.248	-3.086	-2.814	-3.385	-4.691385	-0.01688899	-1.41E-05	-0.046	0	-0.069	0	
1017.558	1017.432	-2.263	-2.16	-3.139	-4.6694	-0.01680984	-1.40E-05	-0.043	0	-0.064	0	
1017.834	1017.558	-1.834	-1.669	-2.637	-3.879454	-0.01396603	-1.16E-05	-0.041	0	-0.061	0	
1017.914	1017.713	-1.694	-1.517	-2.634	-4.094193	-0.01473909	-1.23E-05	-0.03	0	-0.042	0	
1018.214	1017.739	-2.504	-1.533	-3.348	-4.47691	-0.01611687	-1.34E-05	-0.015	0	-0.018	0	
1018.808	1018.169	-2.472	-1.975	-3.249	-4.007547	-0.01442717	-1.20E-05	0.027	0.057	0.048	0.057	
1019.58	1018.808	-1.796	-1.626	-2.743	7.103009	0.02557084	2.13E-05	0.02	0.678	0.031	0.678	
1020.07	1019.58	-2.168	-1.521	-3.177	180.7862	0.6508304	0.000542359	0.127	1.475	0.144	1.475	
1020.38	1020.036	1.488	1.693	-2.309	382.885	1.378386	0.001148655	0.308	2.236	0.378	2.236	
1020.41	1020.286	1.8	3.33	1.1	595.1049	2.142378	0.001785315	0.486	2.896	0.592	2.896	
1020.29	1020.047	-1.903	1.942	-1.97	785.7089	2.828552	0.002357127	0.629	3.435	0.735	3.435	
1020.132	1019.918	-1.371	-0.768	-2.462	935.1206	3.366434	0.002805362	0.752	3.788	0.864	3.788	
1019.918	1019.479	-2.639	-1.106	-2.661	1035.932	3.729356	0.003107796	0.836	3.919	0.954	3.919	
1019.593	1019.111	-2.996	-2.201	-3.315	1076.883	3.87678	0.00323065	0.869	3.83	0.995	3.83	
1019.151	1018.669	-3.418	-2.604	-3.844	1052.549	3.789176	0.003157647	0.855	3.522	0.979	3.522	

1018.669	1018.103	-4.038	-3.068	-4.248	968.0229	3.484883	0.002904069	0.792	3.022	0.917	3.022	
1018.129	1017.558	-4.094	-3.671	-4.523	827.6096	2.979394	0.002482828	0.696	2.365	0.834	2.365	
1017.558	1017.092	-3.298	-3.118	-4.72	641.9916	2.31117	0.001925975	0.546	1.6	0.678	1.6	
1017.131	1016.862	-2.024	-1.56	-3.896	432.7505	1.557902	0.001298251	0.421	0.796	0.583	0.796	
1017.262	1017.117	-2.281	-1.732	-2.759	226.0163	0.8136585	0.000678049	0.253	0.105	0.403	0.105	
1017.949	1017.262	-2.832	-1.784	-2.834	42.24733	0.1520904	0.000126742	0.094	0	0.14	0	
1018.702	1017.949	-3.912	-2.748	-3.968	-6.339653	-0.02282275	-1.90E-05	0.02	0	0.038	0	
1019.353	1018.702	-4.092	-3.717	-4.235	-5.881131	-0.02117207	-1.76E-05	-0.003	0	0.004	0	
1019.747	1019.353	-3.752	-3.665	-4.203	-5.750904	-0.02070325	-1.73E-05	-0.006	0	0	0	
1019.973	1019.747	-3.847	-3.565	-4.085	-5.703267	-0.02053176	-1.71E-05	-0.033	0	-0.046	0	
1019.994	1019.775	-3.731	-3.55	-3.927	-4.630252	-0.01666891	-1.39E-05	-0.009	0	-0.007	0	
1019.775	1019.636	-4.039	-3.55	-4.209	-4.615749	-0.0166167	-1.38E-05	-0.039	0	-0.057	0	
1019.987	1019.72	-4.178	-3.521	-4.244	-4.142767	-0.01491396	-1.24E-05	-0.016	0	-0.019	0	
1020.356	1019.922	-4.519	-4.063	-4.777	-4.449392	-0.01601781	-1.33E-05	-0.037	0	-0.053	0	
1020.799	1020.354	-4.62	-4.366	-4.88	-3.635041	-0.01308615	-1.09E-05	0.007	0.055	0.014	0.055	
1021.321	1020.799	-4.457	-4.332	-4.71	6.759852	0.02433547	2.03E-05	0.043	0.677	0.073	0.677	
1021.705	1021.312	-4.138	-3.819	-4.521	179.4264	0.6459349	0.000538279	0.15	1.476	0.188	1.476	
1021.913	1021.692	-4.551	-3.741	-4.944	376.8875	1.356795	0.001130663	0.291	2.252	0.345	2.252	
1021.915	1021.786	-4.871	-4.188	-5.177	582.8058	2.098101	0.001748417	0.445	2.933	0.501	2.933	
1021.786	1021.498	-3.899	-3.616	-5.712	774.4061	2.787862	0.002323218	0.625	3.464	0.72	3.464	
1021.563	1021.359	-3.161	-2.746	-4.269	928.3917	3.34221	0.002785175	0.771	3.8	0.895	3.8	
1021.385	1020.989	-4.145	-2.81	-4.145	1031.507	3.713427	0.003094523	0.864	3.927	1.006	3.927	
1020.989	1020.474	-4.02	-2.995	-4.303	1073.392	3.86421	0.003220175	0.885	3.835	1.013	3.835	
1020.474	1019.805	-4.872	-3.555	-5.083	1056.677	3.804039	0.003170033	0.899	3.53	1.056	3.53	
1019.809	1019.089	-4.408	-3.972	-4.871	970.4337	3.493561	0.002911301	0.817	3.026	0.956	3.026	
1019.089	1018.527	-3.472	-3.076	-4.636	830.4221	2.989519	0.002491266	0.713	2.365	0.856	2.365	
1018.554	1018.237	-3.075	-3.033	-3.946	693.254	2.495714	0.002079762	0.644	1.599	0.825	1.599	
1018.372	1018.142	-3.444	-3.048	-3.652	438.0432	1.576956	0.00131413	0.505	0.798	0.734	0.798	
1018.731	1018.372	-2.401	-2.215	-3.452	227.7126	0.8197652	0.000683138	0.326	0.105	0.533	0.105	
1019.099	1018.731	-1.982	-1.814	-2.558	43.17492	0.1554297	0.000129525	0.126	0	0.182	0	
1019.78	1019.099	-1.489	-1.272	-2.103	-6.528487	-0.02350255	-1.96E-05	0.018	0	0.037	0	
1020.199	1019.78	-0.837	-0.656	-1.496	-5.955127	-0.02143846	-1.79E-05	0.005	0	0.017	0	
1020.451	1020.199	-1.137	-0.53	-1.483	-6.233215	-0.02243957	-1.87E-05	-0.019	0	-0.021	0	
1020.573	1020.364	-1.019	-0.369	-1.248	-5.220991	-0.01879557	-1.57E-05	-0.046	0	-0.068	0	
1020.594	1020.241	-1.277	-0.605	-1.353	-4.992532	-0.01797312	-1.50E-05	-0.024	0	-0.031	0	
1020.28	1020.174	-1.45	-0.834	-1.631	-4.661963	-0.01678307	-1.40E-05	-0.047	0	-0.072	0	
1020.271	1020.172	-1.692	-1.159	-1.847	-3.766056	-0.0135578	-1.13E-05	-0.051	0	-0.081	0	
1020.278	1020.189	-1.785	-1.1	-2.086	-3.712484	-0.01336494	-1.11E-05	-0.046	0	-0.071	0	
1020.448	1020.171	-2.147	-1.35	-2.246	-3.930473	-0.0141497	-1.18E-05	0.005	0.054	0.01	0.054	
1020.785	1020.434	-2.297	-1.74	-2.42	7.319292	0.02634945	2.20E-05	0.029	0.668	0.046	0.668	
1021.046	1020.785	-1.716	-1.667	-2.35	171.7677	0.6183637	0.000515303	0.135	1.465	0.165	1.465	
1021.107	1020.979	-2.648	-1.302	-2.733	368.2547	1.325717	0.001104764	0.282	2.237	0.331	2.237	
1021.133	1020.945	-3.349	-2.239	-4.816	577.7734	2.079984	0.00173332	0.491	2.923	0.599	2.923	
1020.961	1020.624	-1.549	-1.294	-3.484	768.982	2.768335	0.002306946	0.65	3.447	0.779	3.447	
1020.642	1020.408	-1.893	-0.955	-2.033	922.7957	3.322064	0.002768387	0.772	3.784	0.9	3.784	
1020.408	1019.742	-3.025	-1.504	-3.212	1024.107	3.686785	0.00307232	0.857	3.92	0.988	3.92	
1019.742	1018.887	-3.129	-2.521	-3.354	1069.604	3.850575	0.003208813	0.924	3.83	1.094	3.83	
1018.897	1018.094	-3.876	-3.006	-4.137	1050.575	3.782072	0.003151726	0.953	3.524	1.166	3.524	
1018.221	1017.723	-4.28	-3.163	-4.34	866.747	3.120289	0.002600241	0.784	3.023	0.968	3.023	
1017.76	1017.573	-5.9	-3.802	-6.143	833.4771	3.000517	0.002500431	0.782	2.369	0.991	2.369	
1017.573	1017.097	-5.697	-5.405	-6.294	652.0313	2.347312	0.001956094	0.648	1.607	0.865	1.607	
1017.136	1016.928	-5.661	-5.152	-5.895	440.5193	1.58587	0.001321558	0.504	0.802	0.733	0.802	

1017.264	1017.003	-6.389	-5.261	-6.712	232.6505	0.8375417	0.000697951	0.315	0.105	0.515	0.105
1017.697	1017.251	-6.479	-6.033	-6.604	45.07093	0.1622553	0.000135213	0.101	0	0.151	0
1018.195	1017.697	-6.662	-6.305	-6.847	-6.517677	-0.02346364	-1.96E-05	-0.026	0	-0.032	0
1018.521	1018.195	-6.963	-6.421	-7.179	-5.867968	-0.02112469	-1.76E-05	-0.039	0	-0.055	0
1018.553	1018.429	-7.513	-6.745	-7.753	-5.382925	-0.01937853	-1.61E-05	-0.04	0	-0.057	0
1018.659	1018.482	-7.521	-7.195	-7.747	-5.641312	-0.02030872	-1.69E-05	-0.045	0	-0.065	0
1018.8	1018.659	-7.562	-7.125	-7.679	-4.968626	-0.01788706	-1.49E-05	-0.008	0	-0.005	0
1018.677	1018.589	-7.835	-7.378	-7.922	-4.971333	-0.0178968	-1.49E-05	-0.023	0	-0.03	0
1018.644	1018.562	-8.36	-7.566	-8.43	-5.112389	-0.0184046	-1.53E-05	0.002	0	0.01	0
1018.772	1018.635	-8.93	-8.21	-9.05	-4.846376	-0.01744696	-1.45E-05	-0.008	0	-0.005	0
1018.972	1018.708	-8.76	-8.36	-9.11	-5.017266	-0.01806216	-1.51E-05	0.012	0.052	0.024	0.052
1019.373	1018.954	-8.87	-8.55	-9.05	5.25226	0.01890814	1.58E-05	0.024	0.673	0.039	0.673
1019.668	1019.373	-7.744	-7.302	-8.87	179.8163	0.6473385	0.000539449	0.127	1.478	0.147	1.478
1019.935	1019.608	-9.09	-7.537	-9.32	383.4132	1.380288	0.00115024	0.328	2.261	0.412	2.261
1019.905	1019.673	-8.17	-8.04	-9.2	594.6696	2.140811	0.001784009	0.541	2.945	0.695	2.945
1019.729	1019.526	-4.244	-3.942	-8.32	784.2329	2.823238	0.002352699	0.71	3.464	0.896	3.464
1019.62	1019.388	-3.138	-2.688	-4.398	935.0243	3.366087	0.002805073	0.855	3.795	1.068	3.795
1019.388	1019.248	-4.233	-2.669	-4.456	1035.575	3.728069	0.003106724	0.949	3.924	1.182	3.924
1019.248	1018.883	-4.128	-3.736	-6.001	1082.94	3.898584	0.00324882	0.994	3.841	1.243	3.841
1018.973	1018.592	-5.21	-3.818	-5.805	1061.811	3.82252	0.003185433	0.974	3.531	1.217	3.531
1018.773	1018.233	-7.178	-4.174	-7.892	982.1163	3.535619	0.002946349	0.905	3.034	1.138	3.034
1018.256	1017.978	-8.58	-6.746	-9.94	848.5824	3.054897	0.002545747	0.803	2.383	1.035	2.383
1017.978	1017.537	-7.659	-6.651	-9.07	660.6263	2.378255	0.001981879	0.629	1.614	0.83	1.614
1017.791	1017.637	-7.725	-6.608	-8.97	446.6122	1.607804	0.001339837	0.457	0.806	0.647	0.806
1017.986	1017.746	-8.02	-6.745	-9.2	237.4637	0.8548694	0.000712391	0.25	0.105	0.398	0.105
1018.37	1017.931	-7.269	-7.087	-8.42	45.84915	0.1650569	0.000137547	0.069	0	0.108	0
1019.097	1018.37	-7.468	-6.955	-7.62	-6.708236	-0.02414965	-2.01E-05	-0.008	0	-0.004	0
1019.435	1019.097	-7.367	-7.152	-7.705	-5.764755	-0.02075312	-1.73E-05	-0.013	0	-0.012	0
1019.724	1019.418	-7.013	-6.896	-7.667	-5.589813	-0.02012333	-1.68E-05	-0.004	0	0.002	0
1020.024	1019.724	-4.026	-3.924	-7.08	-5.617271	-0.02022218	-1.69E-05	0.006	0	0.017	0
1020.142	1020.024	-4.469	-3.573	-5.347	-5.498567	-0.01979484	-1.65E-05	-0.007	0	-0.004	0
1020.366	1020.058	-3.85	-3.659	-4.848	-5.097487	-0.01835095	-1.53E-05	-0.029	0	-0.039	0
1020.65	1020.366	-2.849	-2.551	-3.818	-4.175595	-0.01503214	-1.25E-05	-0.043	0	-0.065	0
1020.812	1020.637	-1.669	-1.611	-3.147	-4.332389	-0.0155966	-1.30E-05	-0.034	0	-0.047	0
1021.397	1020.8	-2.257	-1.399	-3.313	-4.780431	-0.01720955	-1.43E-05	0.012	0.051	0.023	0.051
1022.127	1021.397	-3.635	-1.374	-3.635	5.751863	0.0207067	1.73E-05	0.016	0.658	0.025	0.658
1022.722	1022.127	-1.869	-1.137	-3.978	174.1436	0.6269169	0.000522431	0.125	1.456	0.145	1.456
1023.107	1022.722	1.478	1.659	-1.869	373.9111	1.34608	0.001121733	0.312	2.217	0.384	2.217
1023.064	1022.954	0.075	1.794	-0.134	580.2339	2.088842	0.001740702	0.509	2.89	0.638	2.89
1023.095	1022.904	-0.756	0.194	-1.332	765.6835	2.756461	0.002297051	0.674	3.431	0.833	3.431
1022.956	1022.666	0.262	0.855	-1.12	917.8616	3.304302	0.002753585	0.804	3.771	0.98	3.771
1022.718	1022.435	-0.028	0.847	-1.366	1046.792	3.768452	0.003140377	0.923	3.902	1.121	3.902
1022.487	1022.256	0.978	1.204	-0.18	1076.377	3.874958	0.003229131	0.955	3.805	1.16	3.805
1022.4	1022.052	0.306	1.138	0.216	1042.807	3.754105	0.003128421	0.941	3.496	1.154	3.496
1022.101	1021.903	1.05	1.425	0.308	974.4767	3.508116	0.00292343	0.887	2.995	1.096	2.995
1021.928	1021.521	1.996	2.335	0.954	807.0047	2.905217	0.002421014	0.749	2.337	0.943	2.337
1021.614	1021.441	1.996	2.48	1.666	507.1075	1.825587	0.001521323	0.487	1.578	0.651	1.578
1021.458	1021.199	2.337	2.58	1.425	393.9315	1.418153	0.001181794	0.384	0.785	0.533	0.785
1021.482	1021.162	2.248	2.54	1.894	277.6291	0.9994646	0.000832887	0.272	0.102	0.4	0.102
1021.756	1021.463	2.041	2.436	1.909	31.48855	0.1133588	9.45E-05	0.041	0	0.069	0
1022.365	1021.756	1.664	2.245	1.611	-5.144185	-0.01851906	-1.54E-05	-0.047	0	-0.071	0
1023.003	1022.365	1.289	1.95	1.289	-5.024142	-0.01808691	-1.51E-05	-0.017	0	-0.019	0

1023.209	1022.991	1.016	1.57	0.819	-4.746676	-0.01708804	-1.42E-05	-0.026	0	-0.034	0
1023.406	1023.209	1.215	1.316	0.763	-4.389605	-0.01580258	-1.32E-05	-0.025	0	-0.032	0
1023.546	1023.384	1.256	1.566	1.052	-4.742359	-0.01707249	-1.42E-05	-0.051	0	-0.079	0
1023.609	1023.524	0.932	1.546	0.839	-4.089267	-0.01472136	-1.23E-05	-0.037	0	-0.053	0
1023.834	1023.594	-0.013	0.966	-0.145	-4.270719	-0.01537459	-1.28E-05	-0.004	0	0.001	0
1024.257	1023.762	0.037	0.481	-0.118	-4.152589	-0.01494932	-1.25E-05	-0.013	0	-0.014	0
1024.624	1024.257	0.512	0.826	-0.207	-3.968396	-0.01428623	-1.19E-05	0.026	0.049	0.047	0.049
1024.901	1024.608	0.04	0.944	-0.041	5.213664	0.01876919	1.56E-05	0.044	0.647	0.075	0.647
1025.353	1024.882	0.21	0.359	-0.049	119.3342	0.4296032	0.000358003	0.129	1.441	0.169	1.441
1025.646	1025.331	1.267	1.486	0.087	365.2715	1.314977	0.001095815	0.29	2.21	0.345	2.21
1025.697	1025.548	1.996	2.02	1.214	566.33	2.038788	0.00169899	0.445	2.882	0.503	2.882
1025.548	1025.148	3.064	3.743	1.835	756.6034	2.723772	0.00226981	0.612	3.404	0.684	3.404
1025.148	1025.017	2.773	3.481	2.454	915.1105	3.294398	0.002745332	0.782	3.745	0.906	3.745
1025.017	1024.444	2.682	3.087	1.963	1046.464	3.767269	0.003139391	0.916	3.878	1.077	3.878
1024.621	1024.204	2.914	3.344	2.257	821.3425	2.956833	0.002464027	0.731	3.786	0.854	3.786
1024.204	1023.836	2.524	3.322	2.393	899.0095	3.236434	0.002697028	0.79	3.48	0.932	3.48
1023.86	1023.342	2.534	3.574	2.2	844.5682	3.040446	0.002533705	0.721	2.981	0.847	2.981
1023.342	1022.892	2.246	2.807	2.006	826.7449	2.976281	0.002480234	0.693	2.332	0.805	2.332
1022.892	1022.403	2.467	2.522	0.671	568.6398	2.047103	0.00170592	0.474	1.578	0.58	1.578
1022.41	1021.937	2.072	2.648	0.417	432.3792	1.556565	0.001297138	0.37	0.784	0.481	0.784
1022.211	1021.917	2.483	2.947	1.124	223.3314	0.803993	0.000669994	0.229	0.101	0.358	0.101
1022.766	1022.211	1.237	2.662	1.072	42.88005	0.1543682	0.00012864	0.098	0	0.151	0
1023.692	1022.766	1.11	1.504	1.037	-5.690081	-0.02048429	-1.71E-05	0.045	0	0.077	0
1024.518	1023.692	0.899	1.319	0.832	-5.543193	-0.0199555	-1.66E-05	0.036	0	0.063	0
1024.865	1024.518	0.332	1.151	0.249	-5.91444	-0.02129198	-1.77E-05	-0.001	0	0.008	0
1025.245	1024.865	0.39	0.553	-0.024	-5.038468	-0.01813849	-1.51E-05	-0.021	0	-0.025	0
1025.184	1025.08	2.235	3.716	0.224	-5.017141	-0.01806171	-1.51E-05	-0.045	0	-0.068	0
1025.087	1024.947	0.759	4.089	0.759	-3.984722	-0.014345	-1.20E-05	-0.03	0	-0.041	0
1025.481	1025.087	0.784	3.845	0.225	-4.528321	-0.01630195	-1.36E-05	-0.023	0	-0.029	0
1025.639	1025.349	0.846	1.893	-0.243	-4.158753	-0.01497151	-1.25E-05	-0.015	0	-0.016	0
1025.857	1025.639	0.764	1.243	-0.105	-3.875275	-0.01395099	-1.16E-05	0.027	0.048	0.049	0.048
1026.604	1025.857	0.884	1.181	0.104	7.163348	0.02578805	2.15E-05	0.044	0.641	0.072	0.641
1027.146	1026.604	1.984	2.134	0.317	161.2241	0.5804067	0.000483672	0.152	1.433	0.195	1.433
1027.225	1027.146	4.295	4.461	1.732	359.8135	1.295329	0.001079441	0.296	2.194	0.352	2.194
1027.318	1027.167	6.582	6.624	4.289	555.1253	1.998451	0.001665376	0.473	2.849	0.555	2.849
1027.188	1026.714	7.462	7.731	6.398	753.6689	2.713208	0.002261007	0.641	3.367	0.744	3.367
1026.714	1026.298	7.204	7.825	7.153	888.2838	3.197821	0.002664851	0.764	3.704	0.883	3.704
1026.316	1025.518	6.907	7.467	6.504	991.7892	3.570441	0.002975367	0.859	3.84	0.995	3.84
1025.518	1024.652	6.704	7.181	6.457	1079.541	3.886348	0.003238624	0.944	3.751	1.099	3.751
1024.652	1023.998	8.89	9.27	5.993	730.2662	2.628958	0.002190799	0.682	3.446	0.819	3.446
1024.285	1023.963	9.32	11.33	8.52	364.3705	1.311734	0.001093111	0.474	2.93	0.655	2.93
1024.043	1023.352	6.613	9.86	6.206	315.0046	1.134017	0.000945014	0.357	2.298	0.471	2.298
1023.386	1023.151	9.81	10.63	6.048	167.3404	0.6024255	0.000502021	0.199	1.552	0.264	1.552
1023.459	1023.344	9.6	11.48	8.71	112.0236	0.4032849	0.000336071	0.161	0.762	0.243	0.762
1023.569	1023.427	11.98	12.14	8.67	44.25743	0.1593268	0.000132772	0.011	0.099	0.058	0.099
1023.557	1023.343	10.22	12.06	9.85	8.914237	0.03209125	2.67E-05	0.027	0	0.045	0
1023.823	1023.348	9.87	10.28	9.59	-3.361125	-0.01210005	-1.01E-05	0.013	0	0.023	0
1024.415	1023.823	12.26	12.52	9.29	-4.785039	-0.01722614	-1.44E-05	0.023	0	0.039	0
1024.515	1024.248	12.13	13.32	10.74	-4.252168	-0.01530781	-1.28E-05	0.017	0	0.028	0
1024.409	1024.248	10.88	12.59	10.16	-3.93508	-0.01416629	-1.18E-05	0.01	0	0.018	0
1024.289	1024.022	11.22	11.72	10.68	-3.810789	-0.01371884	-1.14E-05	-0.004	0	-0.006	0
1024.257	1024.01	10.82	11.29	9.28	-3.390861	-0.0122071	-1.02E-05	0.004	0	0.008	0

1024.307	1024.055	10.63	10.92	9.87	-3.52704	-0.01269734	-1.06E-05	-0.002	0	-0.001	0	
1024.422	1024.188	10.64	10.91	9.68	-3.19087	-0.01148713	-9.57E-06	-0.007	0	-0.011	0	
1024.546	1024.395	10.39	11.51	9.89	-3.076712	-0.01107616	-9.23E-06	0.001	0.046	0.003	0.046	
1024.71	1024.546	10.59	10.86	10.28	6.789553	0.02444239	2.04E-05	0.008	0.614	0.01	0.614	
1024.954	1024.586	9.53	10.66	9.06	138.2058	0.497541	0.000414618	0.114	1.39	0.134	1.39	
1025.297	1024.935	10.96	11.07	9.51	339.4037	1.221853	0.001018211	0.257	2.145	0.284	2.145	
1025.387	1025.092	10.41	11.22	10.05	547.3306	1.97039	0.001641992	0.454	2.809	0.524	2.809	
1025.131	1024.749	9.02	10.43	8.84	736.1832	2.650259	0.00220855	0.647	3.344	0.771	3.344	
1024.8	1024.474	7.65	9.21	7.411	890.8088	3.206912	0.002672426	0.775	3.695	0.905	3.695	
1024.474	1023.727	7.598	7.991	6.969	1013.432	3.648357	0.003040297	0.873	3.833	1.007	3.833	
1023.727	1022.892	7.681	8.02	7.33	629.4535	2.266033	0.001888361	0.592	3.742	0.703	3.742	
1022.929	1021.959	7.606	10.62	7.325	572.8112	2.06212	0.001718433	0.579	3.436	0.722	3.436	
1021.959	1021.65	7.738	8.04	6.48	526.921	1.896915	0.001580763	0.504	2.949	0.615	2.949	
1023.705	1021.945	15.81	16.93	7.678	35.76774	0.1287639	0.000107303	0.105	2.249	0.165	2.249	
1024.457	1023.653	17.05	17.48	13.67	21.80169	0.07848608	6.54E-05	0.039	1.508	0.056	1.508	
1023.695	1022.159	17.29	18.2	14.58	69.72059	0.2509941	0.000209162	0.06	0.739	0.072	0.739	
1022.449	1022.091	18.01	18.38	15.66	35.71726	0.1285821	0.000107152	-0.026	0.096	-0.02	0.096	
1022.801	1022.391	17.39	18.02	16.65	0.4512333	0.00162444	1.35E-06	0.014	0	0.022	0	
1022.942	1022.598	14.17	17.56	12.51	-4.015354	-0.01445527	-1.20E-05	0.023	0	0.035	0	
1022.971	1022.353	10.97	14.6	10.68	-1.716412	-0.006179082	-5.15E-06	0.038	0	0.057	0	
1022.358	1022.178	11.95	14.7	10.75	-2.054777	-0.007397199	-6.16E-06	0.023	0	0.037	0	
1022.34	1022.073	12.88	14.35	11.52	-2.424627	-0.008728656	-7.27E-06	0.01	0	0.016	0	
1022.073	1021.857	14.36	14.68	12.02	-3.386021	-0.01218967	-1.02E-05	0.009	0	0.016	0	
1022.07	1021.87	13.98	14.74	12.38	-3.359778	-0.0120952	-1.01E-05	0.006	0	0.009	0	
1022.219	1022.028	13.35	14.07	12.13	-2.905531	-0.01045991	-8.72E-06	0.005	0	0.009	0	
1022.158	1022.035	11.96	14.17	11.82	-2.544295	-0.009159462	-7.63E-06	0.004	0	0.007	0	
1022.456	1022.063	13.4	14.4	11.45	-3.239506	-0.01166222	-9.72E-06	0.011	0.045	0.02	0.045	
1022.58	1022.326	12.94	13.72	12.24	6.054806	0.0217973	1.82E-05	0.016	0.602	0.025	0.602	
1022.905	1022.58	14.32	14.62	11.84	95.39447	0.3434201	0.000286183	0.086	1.372	0.101	1.372	
1023.187	1022.905	13.98	14.58	12.97	342.6301	1.233469	0.00102789	0.255	2.117	0.288	2.117	
1023.163	1022.975	13.19	15.09	12.66	602.7291	2.169825	0.001808187	0.463	2.778	0.514	2.778	
1022.975	1022.816	11.07	13.75	8.83	761.7921	2.742451	0.002285376	0.614	3.322	0.684	3.322	
1022.816	1022.446	8.66	11.79	8.11	750.9333	2.70336	0.0022528	0.645	3.675	0.736	3.675	
1022.475	1022.089	9.35	12.2	8.01	800.4349	2.881566	0.002401305	0.699	3.807	0.803	3.807	
1022.089	1021.248	8.18	10.5	8.08	763.7169	2.749381	0.002291151	0.681	3.727	0.791	3.727	
1021.248	1020.725	9.07	10.69	7.933	894.3184	3.219546	0.002682955	0.8	3.426	0.955	3.426	
1020.757	1020.319	9.96	10.91	8.38	825.6092	2.972193	0.002476827	0.777	2.929	0.977	2.929	
1020.653	1020.014	8.7	10.48	7.962	358.5153	1.290655	0.001075546	0.465	2.289	0.651	2.289	
1020.982	1020.647	11.29	13.23	7.741	76.74427	0.2762794	0.000230233	0.163	1.533	0.243	1.533	
1020.649	1020.278	11.89	13.15	10.53	113.5425	0.4087529	0.000340627	0.174	0.753	0.267	0.753	
1020.278	1019.963	11.36	12.42	11.28	86.79094	0.3124474	0.000260373	0.059	0.096	0.114	0.096	
1020.432	1020.121	11.82	11.82	10.93	17.26353	0.0621487	5.18E-05	0.073	0	0.109	0	
1021.019	1020.432	12.35	14.35	11.58	-2.74241	-0.009872676	-8.23E-06	0.036	0	0.058	0	
1022.481	1021.019	14.03	14.78	12.17	-3.133733	-0.01128144	-9.40E-06	0.064	0	0.09	0	
1023.089	1022.481	12.92	14.22	12.79	-2.619344	-0.009429638	-7.86E-06	0.06	0	0.084	0	
1023.588	1023.076	11.65	13.29	10.51	-3.423614	-0.01232501	-1.03E-05	0.079	0	0.107	0	
1023.54	1023.097	12.58	15.68	10.41	-6.757989	-0.02432876	-2.03E-05	0.033	0	0.05	0	
1023.597	1022.809	13.58	13.58	11.36	-5.434	-0.0195624	-1.63E-05	0.041	0	0.062	0	
1023.001	1022.706	13.75	14.09	11.72	-1.806125	-0.00650205	-5.42E-06	0.03	0	0.045	0	
1022.919	1022.561	13.92	14.65	13.17	-1.937284	-0.006974223	-5.81E-06	0.017	0	0.027	0	
1022.584	1022.143	14.49	14.8	13.67	-2.346715	-0.008448173	-7.04E-06	0.016	0.043	0.029	0.043	
1023.146	1021.983	13.66	14.71	13.5	19.11117	0.0688002	5.73E-05	0.034	0.593	0.048	0.593	

1023.831	1023.146	13.42	14.53	12.39	172.0527	0.6193897	0.000516158	0.141	1.363	0.168	1.363
1024.122	1023.831	12.04	14.58	11.75	292.0613	1.051421	0.000876184	0.232	2.117	0.26	2.117
1024.182	1024.099	12.11	12.67	11.16	555.6119	2.000203	0.001666836	0.452	2.793	0.522	2.793
1024.175	1024.077	12.17	12.9	11.59	453.3992	1.632237	0.001360198	0.406	3.313	0.48	3.313
1024.172	1024.091	11.05	12.43	10.63	373.1078	1.343188	0.001119323	0.352	3.66	0.415	3.66
1024.114	1023.589	11.26	11.62	10.66	525.54	1.891944	0.00157662	0.465	3.796	0.537	3.796
1023.589	1022.931	10.4	11.95	9.62	975.7251	3.51261	0.002927175	0.813	3.712	0.926	3.712
1022.931	1021.825	9.68	10.99	9.41	918.5649	3.306834	0.002755695	0.772	3.416	0.885	3.416
1021.999	1021.462	9.57	10.53	7.884	598.6359	2.155089	0.001795908	0.603	2.933	0.774	2.933
1021.495	1020.517	6.951	10.89	5.858	693.515	2.496654	0.002080545	0.667	2.296	0.871	2.296
1020.816	1020.496	7.881	9.1	6.446	667.8936	2.404417	0.002003681	0.596	1.547	0.742	1.547
1020.622	1019.959	10.79	12.19	7.523	457.3574	1.646487	0.001372072	0.405	0.756	0.52	0.756
1020.958	1019.906	13.19	13.32	9.98	108.1502	0.3893406	0.000324451	0.146	0.095	0.255	0.095
1024.059	1020.958	17.18	17.52	12.67	0.9176016	0.003303366	2.75E-06	0.025	0	0.035	0
1023.948	1022.953	16.64	17.67	16.64	-0.4575942	-0.001647339	-1.37E-06	-0.015	0	-0.018	0
1024.575	1022.977	15.34	16.85	14.71	-1.059773	-0.003815184	-3.18E-06	-0.018	0	-0.023	0
1024.107	1023.643	16.09	16.89	15	-1.749119	-0.006296829	-5.25E-06	-0.027	0	-0.039	0
1024.125	1023.789	15.99	16.44	14.58	-2.876962	-0.01035706	-8.63E-06	-0.031	0	-0.046	0
1024.267	1023.96	15.05	16.7	14.94	-3.076795	-0.01107646	-9.23E-06	-0.03	0	-0.045	0
1024.174	1023.816	15.53	16.09	14.83	-2.734875	-0.009845549	-8.20E-06	-0.029	0	-0.042	0
1023.846	1023.638	14.95	15.87	14.74	-2.452544	-0.008829159	-7.36E-06	-0.027	0	-0.039	0
1023.638	1023.343	14.73	15.29	14.48	-3.245519	-0.01168387	-9.74E-06	-0.029	0	-0.043	0
1023.709	1023.393	15.05	15.47	14.45	-2.941207	-0.01058834	-8.82E-06	0.002	0.042	0.005	0.042
1023.888	1023.709	15.03	15.27	14.78	3.764885	0.01355359	1.13E-05	0.005	0.585	0.006	0.585
1024.106	1023.855	15.47	15.64	14.87	128.8106	0.4637182	0.000386432	0.092	1.348	0.101	1.348
1024.53	1024.069	15.31	16.12	15	341.7095	1.230154	0.001025129	0.241	2.095	0.262	2.095
1024.517	1024.307	14.29	16.71	13.84	539.8464	1.943447	0.001619539	0.407	2.757	0.448	2.757
1024.307	1024.196	13.74	15.53	13.43	728.5311	2.622712	0.002185593	0.565	3.289	0.642	3.289
1024.324	1023.948	14.6	15.26	12.88	880.4302	3.169549	0.002641291	0.695	3.632	0.779	3.632
1023.948	1023.265	12.61	14.86	11.1	993.9662	3.578279	0.002981899	0.791	3.772	0.89	3.772
1023.265	1022.454	11.49	13.56	9.91	974.7343	3.509043	0.002924203	0.785	3.7	0.879	3.7
1022.933	1022.228	14.56	15.24	10.34	253.0548	0.9109974	0.000759165	0.279	3.39	0.352	3.39
1022.994	1022.65	13.28	15.39	12.92	194.4403	0.699985	0.000583321	0.197	2.888	0.238	2.888
1023.042	1022.43	13.11	15.03	12.77	110.0098	0.3960353	0.000330029	0.14	2.256	0.186	2.256
1022.562	1021.564	15.94	16.72	13.05	90.72734	0.3266184	0.000272182	0.108	1.507	0.142	1.507
1021.662	1020.63	15.64	16.09	14.62	110.8625	0.3991049	0.000332587	0.078	0.738	0.096	0.738
1021.619	1020.793	15.05	16.01	13.13	208.3058	0.7499008	0.000624917	0.126	0.093	0.158	0.093
1021.882	1021.427	15.06	15.7	13.7	10.18844	0.03667838	3.06E-05	0.02	0	0.032	0
1022.305	1021.799	15.71	16.06	14.77	-3.451944	-0.012427	-1.04E-05	0.002	0	0.004	0
1022.715	1022.305	15.34	16.16	14.75	-2.007277	-0.007226199	-6.02E-06	0.009	0	0.014	0
1022.494	1022.068	16.47	16.82	15.04	-2.326053	-0.008373791	-6.98E-06	0.012	0	0.018	0
1022.202	1022.021	16.03	16.55	15.64	-1.824363	-0.006567708	-5.47E-06	0.008	0	0.013	0
1022.184	1021.896	15.89	16.45	15.89	-2.500278	-0.009001002	-7.50E-06	0.001	0	0.002	0
1021.896	1021.472	16.27	16.32	15.46	-1.855335	-0.006679206	-5.57E-06	0.002	0	0.003	0
1021.495	1021.245	15.91	16.49	15.58	-2.342112	-0.008431601	-7.03E-06	0.003	0	0.004	0
1021.324	1021.187	15.59	16.13	15.52	-1.769012	-0.006368445	-5.31E-06	0.003	0	0.005	0
1021.285	1021.056	15.86	16.26	15.5	-1.489793	-0.005363256	-4.47E-06	0.003	0.04	0.005	0.04
1021.874	1021.283	15.82	16.33	15.76	6.660868	0.02397913	2.00E-05	0.008	0.576	0.01	0.576
1022.057	1021.855	15.53	16.27	15.46	73.96733	0.2662824	0.000221902	0.061	1.338	0.067	1.338
1022.057	1021.946	15.51	16.12	15.3	332.6914	1.197689	0.000998074	0.243	2.089	0.264	2.089
1022.014	1021.957	14.32	15.59	14.08	542.6942	1.953699	0.001628083	0.414	2.759	0.453	2.759
1021.997	1021.641	14.23	14.92	13.64	637.9048	2.296457	0.001913714	0.504	3.286	0.558	3.286

1021.7	1021.305	13.36	14.59	13.12	959.7807	3.455211	0.002879342	0.758	3.631	0.846	3.631	
1021.305	1020.745	13.89	14.2	12.58	814.2642	2.931351	0.002442793	0.671	3.768	0.764	3.768	
1020.745	1019.792	12.55	14.08	12.45	692.8879	2.494397	0.002078664	0.598	3.683	0.695	3.683	
1019.967	1019.055	12.31	12.79	10.84	492.007	1.771225	0.001476021	0.447	3.398	0.531	3.398	
1019.229	1018.716	12.44	14.64	11.99	642.4044	2.312656	0.001927213	0.551	2.899	0.656	2.899	
1018.716	1018.026	13.32	13.83	11.76	714.4086	2.571871	0.002143225	0.62	2.257	0.765	2.257	
1018.36	1018.037	13.47	14.27	13.01	542.3194	1.95235	0.001626958	0.464	1.513	0.575	1.513	
1018.715	1018.345	13.89	14.63	12.74	149.0118	0.5364424	0.000447035	0.179	0.739	0.268	0.739	
1019.652	1018.715	15.3	15.4	13.55	45.841	0.1650276	0.000137523	0.061	0.091	0.13	0.091	
1020.011	1019.558	14.96	15.57	14.78	19.06019	0.06861668	5.72E-05	0.008	0	0.015	0	
1020.857	1019.947	14.18	15.17	14.03	-2.394046	-0.008618564	-7.18E-06	0.01	0	0.018	0	
1021.405	1020.857	14.05	14.32	13.85	-2.929257	-0.01054533	-8.79E-06	0.008	0	0.014	0	
1021.525	1021.212	14.26	14.33	13.91	-3.185794	-0.01146886	-9.56E-06	-0.003	0	-0.001	0	
1021.625	1021.459	14.1	14.56	14.09	-2.975057	-0.01071021	-8.93E-06	-0.015	0	-0.018	0	
1021.829	1021.602	14.17	14.33	14.01	-1.985484	-0.007147743	-5.96E-06	-0.007	0	-0.007	0	
1021.878	1021.72	14.73	14.88	14.13	-1.772065	-0.006379434	-5.32E-06	-0.01	0	-0.011	0	
1021.855	1021.64	14.96	15.16	14.73	-1.96607	-0.007077852	-5.90E-06	-0.025	0	-0.034	0	
1021.792	1021.602	15.07	15.29	14.93	-2.099393	-0.007557816	-6.30E-06	-0.031	0	-0.046	0	
1021.887	1021.705	14.88	15.18	14.76	-1.2445	-0.0044802	-3.73E-06	-0.033	0.039	-0.05	0.039	
1022.048	1021.801	15.01	15.17	14.74	1.237457	0.004454844	3.71E-06	0.004	0.573	0.005	0.573	
1022.612	1022.048	15.25	15.53	14.91	38.72118	0.1393962	0.000116164	0.04	1.336	0.049	1.336	
1022.967	1022.608	14.89	15.41	14.78	139.1089	0.5007918	0.000417327	0.123	2.088	0.145	2.088	
1023.309	1022.967	14.58	15.07	14.19	189.9819	0.6839347	0.000569946	0.172	2.757	0.204	2.757	
1023.39	1023.186	14.57	15.04	13.95	294.679	1.060844	0.000884037	0.256	3.281	0.304	3.281	
1023.387	1022.982	13.86	14.97	13.61	641.1661	2.308198	0.001923498	0.496	3.622	0.567	3.622	
1023.078	1022.566	13.39	14	13.06	1060.331	3.817191	0.003180993	0.819	3.765	0.924	3.765	
1022.582	1022.118	12.78	13.93	11.06	877.7045	3.159736	0.002633113	0.709	3.686	0.808	3.686	
1023.151	1022.508	16.95	17.03	12.78	56.10808	0.2019891	0.000168324	0.1	3.365	0.149	3.365	
1023.049	1022.293	16.35	17.41	15.84	212.8465	0.7662472	0.000638539	0.17	2.866	0.191	2.866	
1022.6	1022.334	15.88	16.98	15.33	371.0845	1.335904	0.001113254	0.275	2.232	0.311	2.232	
1022.334	1022.022	15.53	16.41	14.61	395.0308	1.422111	0.001185092	0.278	1.5	0.325	1.5	
1022.063	1021.942	15.57	16.31	14.82	277.5436	0.9991568	0.000832631	0.186	0.731	0.229	0.731	
1022.048	1021.922	14.71	15.86	14.4	109.5198	0.3942713	0.000328559	0.05	0.089	0.076	0.089	
1022.534	1022.036	15.67	15.76	14.49	27.54897	0.09917632	8.26E-05	-0.005	0	-0.005	0	
1023.079	1022.496	16.36	16.49	15.17	-3.176505	-0.01143542	-9.53E-06	-0.027	0	-0.04	0	
1023.486	1023.079	16.11	16.56	15.74	-2.517065	-0.009061433	-7.55E-06	-0.025	0	-0.036	0	
1023.501	1023.308	17.15	17.33	15.9	-1.834041	-0.006602547	-5.50E-06	-0.027	0	-0.039	0	
1023.308	1023.032	15.65	17.3	15.25	-3.223717	-0.01160538	-9.67E-06	-0.032	0	-0.051	0	
1023.142	1023.015	15.48	16.43	15.48	-2.60715	-0.009385739	-7.82E-06	-0.032	0	-0.05	0	
1023.06	1022.875	15.84	16.17	15.04	-2.449704	-0.008818935	-7.35E-06	-0.031	0	-0.047	0	
1022.981	1022.821	15.64	16.11	15.46	-2.206324	-0.007942767	-6.62E-06	-0.03	0	-0.045	0	
1022.848	1022.704	15.21	15.73	15.1	-2.575839	-0.009273021	-7.73E-06	-0.031	0	-0.047	0	
1023.178	1022.773	14.92	15.21	14.66	-2.887195	-0.0103939	-8.66E-06	-0.025	0.037	-0.036	0.037	
1023.335	1023.114	15	15.41	14.76	7.407623	0.02666744	2.22E-05	0.009	0.566	0.011	0.566	
1023.863	1023.335	15.64	15.64	14.83	128.1954	0.4615033	0.000384586	0.093	1.33	0.103	1.33	
1024.285	1023.855	15.94	16.38	15.42	333.4096	1.200275	0.001000229	0.238	2.077	0.259	2.077	
1024.436	1024.256	14.68	16.35	13.93	550.3262	1.981174	0.001650979	0.414	2.748	0.45	2.748	
1024.383	1024.274	13.05	15.79	12.39	770.5218	2.773878	0.002311565	0.593	3.279	0.654	3.279	
1024.341	1024.04	12.66	14.84	12.21	887.5171	3.195062	0.002662551	0.7	3.63	0.771	3.63	
1024.04	1023.319	13.73	15.06	12.26	842.0731	3.031463	0.002526219	0.689	3.76	0.77	3.76	
1023.319	1022.69	15.91	16.14	12.06	687.3993	2.474637	0.002062198	0.589	3.672	0.678	3.672	
1022.784	1022.158	13.47	16.14	12.85	514.3868	1.851793	0.001543161	0.464	3.365	0.548	3.365	

1022.226	1021.942	18.27	18.96	13.48	253.0825	0.9110971	0.000759248	0.26	2.861	0.33	2.861	
1022.593	1022.042	16.04	18.53	15.12	131.7044	0.474136	0.000395113	0.156	2.227	0.206	2.227	
1022.483	1022.252	16.01	17	15.38	52.88727	0.1903942	0.000158662	0.067	1.493	0.087	1.493	
1022.392	1022.056	15.85	16.69	15.05	22.73481	0.08184531	6.82E-05	0.029	0.726	0.037	0.726	
1022.107	1022.048	17.55	17.92	15.4	21.86364	0.0787091	6.56E-05	-0.033	0.087	-0.028	0.087	
1022.3	1022.107	16.19	17.72	15.9	8.94968	0.03221885	2.68E-05	0.014	0	0.022	0	
1022.822	1022.275	16.76	17.65	16.03	-2.483823	-0.008941764	-7.45E-06	0.002	0	0.003	0	
1023.425	1022.822	17.17	17.53	16.56	-2.690265	-0.009684954	-8.07E-06	0.002	0	0.003	0	
1023.437	1023.305	17.2	17.77	16.97	-1.627814	-0.005860131	-4.88E-06	0.003	0	0.004	0	
1023.437	1023.18	17.86	17.93	17.09	-1.590652	-0.005726349	-4.77E-06	0.002	0	0.004	0	
1023.18	1022.596	17.23	17.92	16.48	-1.690911	-0.006087278	-5.07E-06	0.003	0	0.005	0	
1022.596	1022.474	16.67	17.53	16.66	-2.760193	-0.009936696	-8.28E-06	0.002	0	0.004	0	
1022.842	1022.481	16.56	16.97	16.47	-1.922984	-0.006922743	-5.77E-06	0.001	0	0.002	0	
1022.942	1022.762	16.64	17.27	16.51	-1.985222	-0.007146798	-5.96E-06	0.002	0	0.003	0	
1022.785	1022.582	16.35	17.07	16.24	-2.021367	-0.00727692	-6.06E-06	0.002	0.036	0.004	0.036	
1022.739	1022.569	16.1	16.48	15.74	3.451598	0.01242575	1.04E-05	0.008	0.557	0.012	0.557	
1022.959	1022.628	17.07	17.07	15.73	47.10186	0.1695667	0.000141306	0.042	1.317	0.048	1.317	
1023.248	1022.959	17.06	17.52	15.38	162.0963	0.5835466	0.000486289	0.135	2.068	0.148	2.068	
1023.397	1023.248	16.77	18.06	16.31	191.0196	0.6876704	0.000573059	0.165	2.726	0.185	2.726	
1023.363	1023.156	16.18	17.02	15.09	355.2043	1.278736	0.001065613	0.296	3.257	0.33	3.257	
1023.196	1022.712	14.71	17.38	13.57	671.4743	2.417308	0.002014423	0.545	3.602	0.6	3.602	
1022.712	1022.168	14.94	15.61	13.52	1015.581	3.656093	0.003046744	0.824	3.752	0.921	3.752	
1022.297	1021.852	19.25	19.25	13.96	154.045	0.5545621	0.000462135	0.176	3.647	0.227	3.647	
1023.968	1021.97	16.38	19.39	14.64	144.5831	0.5204993	0.000433749	0.141	3.346	0.175	3.346	
1024.176	1023.697	16.65	17.53	15	26.42463	0.09512866	7.93E-05	0.027	2.861	0.033	2.861	
1024.238	1022.804	17.31	17.52	16.15	22.78525	0.08202689	6.84E-05	0.023	2.221	0.027	2.221	
1022.804	1021.975	16.33	17.56	16.07	34.50292	0.1242105	0.000103509	0.031	1.486	0.036	1.486	
1022.018	1021.579	17.11	17.55	16.4	35.22169	0.1267981	0.000105665	0.032	0.719	0.037	0.719	
1021.88	1021.65	17.38	17.48	15.47	23.86801	0.08592483	7.16E-05	-0.038	0.084	-0.037	0.084	
1021.848	1021.347	17.19	17.77	16.7	5.182091	0.01865553	1.55E-05	0.004	0	0.007	0	
1022.442	1021.848	17.1	17.37	16.64	-1.993144	-0.007175319	-5.98E-06	0.002	0	0.003	0	
1022.634	1022.442	17.27	17.51	16.73	-1.483778	-0.005341599	-4.45E-06	0.001	0	0.002	0	
1022.958	1022.525	17.18	17.38	16.96	-1.472932	-0.005302557	-4.42E-06	0.002	0	0.004	0	
1022.792	1022.418	16.84	17.42	16.65	-1.458155	-0.005249358	-4.37E-06	0.003	0	0.005	0	
1022.6	1022.374	17.47	17.77	16.83	-1.311818	-0.004722546	-3.94E-06	0.002	0	0.003	0	
1022.434	1022.033	17.02	17.58	16.95	-1.898547	-0.006834771	-5.70E-06	0.001	0	0.001	0	
1022.033	1021.812	16.79	17.18	16.65	-1.826157	-0.006574167	-5.48E-06	0.002	0	0.003	0	
1021.886	1021.623	15.96	16.82	15.89	-1.788144	-0.006437319	-5.36E-06	0.002	0	0.003	0	
1021.966	1021.632	15.52	15.98	15.25	-4.710927	-0.01695934	-1.41E-05	0.003	0.034	0.006	0.034	
1022.104	1021.838	15.96	16.07	15.33	6.255157	0.02251856	1.88E-05	0.012	0.551	0.017	0.551	
1022.225	1021.867	16.47	16.76	15.9	141.4431	0.5091951	0.000424329	0.1	1.312	0.109	1.312	
1022.445	1022.225	16.82	17.24	16.16	321.2866	1.156632	0.00096386	0.231	2.06	0.252	2.06	
1022.485	1022.304	17.11	17.84	16.63	322.9977	1.162792	0.000968993	0.25	2.721	0.274	2.721	
1022.365	1022.22	16.82	18.09	15.76	513.851	1.849864	0.001541553	0.405	3.246	0.448	3.246	
1022.326	1022.109	15.61	17.51	15.45	694.9689	2.501888	0.002084906	0.552	3.593	0.599	3.593	
1022.109	1021.657	17.27	17.93	14.86	994.6854	3.580868	0.002984056	0.798	3.728	0.881	3.728	
1021.682	1021.152	14.56	18.17	14.09	734.6929	2.644894	0.002204079	0.628	3.646	0.727	3.646	
1022.021	1021.307	16.73	17.65	14.02	81.18694	0.292273	0.000243561	0.105	3.35	0.14	3.35	
1022.913	1022.006	16.13	17.11	14.28	30.83884	0.1110198	9.25E-05	0.063	2.866	0.095	2.866	
1022.867	1022.38	17.41	17.68	15.9	41.05472	0.147797	0.000123164	0.037	2.218	0.043	2.218	
1022.38	1021.206	16.78	17.77	16.5	47.6504	0.1715414	0.000142951	0.043	1.48	0.05	1.48	
1021.304	1021.125	16.66	17.42	15.34	35.32647	0.1271753	0.000105979	0.036	0.717	0.044	0.717	



1022.002	1021.284	17.99	18.12	16.63	20.61539	0.07421539	6.18E-05	-0.032	0.082	-0.031	0.082	
1022.08	1021.738	17.54	18.25	17.54	3.651106	0.01314398	1.10E-05	0.003	0	0.004	0	
1021.744	1021.293	17.57	17.96	17.46	-1.179085	-0.004244706	-3.54E-06	0.002	0	0.003	0	
1022.299	1021.293	16.92	17.76	16.73	-1.743118	-0.006275226	-5.23E-06	0.003	0	0.005	0	
1022.363	1022.261	17.04	17.34	16.84	-1.484624	-0.005344647	-4.45E-06	0.001	0	0.002	0	
1022.296	1021.962	17.04	17.16	16.88	-1.166969	-0.004201089	-3.50E-06	0.001	0	0.002	0	
1022.121	1021.947	17.26	17.41	16.9	-1.11444	-0.004011984	-3.34E-06	0.001	0	0.002	0	
1021.947	1021.688	17.28	17.41	17.14	-0.95963	-0.003454668	-2.88E-06	0.001	0	0.002	0	
1021.944	1021.801	17.23	17.49	17.13	-1.066281	-0.003838611	-3.20E-06	0	0	0.001	0	
1022.053	1021.689	17.1	17.35	16.77	-0.8831092	-0.003179193	-2.65E-06	0.001	0	0.001	0	
1021.97	1021.721	16.92	17.23	16.89	-1.288232	-0.004637634	-3.86E-06	0	0.033	0.001	0.033	
1022.163	1021.783	16.54	17.11	16.48	7.446312	0.02680672	2.23E-05	0.008	0.542	0.009	0.542	
1022.843	1022.163	16.81	16.98	16.49	70.82237	0.2549605	0.000212467	0.056	1.303	0.06	1.303	
1022.968	1022.782	17.57	17.83	16.76	225.856	0.8130817	0.000677568	0.166	2.051	0.178	2.051	
1023.046	1022.686	17.8	18.26	16.73	515.8538	1.857074	0.001547561	0.378	2.713	0.409	2.713	
1022.686	1022.471	15.07	18.4	14.67	672.7355	2.421848	0.002018207	0.519	3.246	0.573	3.246	
1022.507	1022.424	15.52	17.81	15.13	889.0012	3.200404	0.002667004	0.706	3.595	0.773	3.595	
1022.456	1021.737	15.19	16.56	14.57	655.288	2.359037	0.001965864	0.538	3.736	0.588	3.736	
1021.76	1021.347	15.7	16.97	14.7	601.6352	2.165887	0.001804905	0.515	3.65	0.579	3.65	
1021.347	1020.986	15.9	16.81	14.5	236.0528	0.8497901	0.000708158	0.242	3.353	0.289	3.353	
1021.198	1020.886	16.36	16.71	15.41	283.9584	1.02225	0.000851875	0.294	2.86	0.371	2.86	
1020.886	1020.577	17.13	17.76	16.22	270.7874	0.9748346	0.000812362	0.247	2.217	0.295	2.217	
1020.925	1020.53	17.12	17.64	16.2	185.6998	0.6685192	0.000557099	0.175	1.479	0.216	1.479	
1021.058	1020.806	16.02	17.47	15.55	131.3566	0.4728836	0.00039407	0.109	0.712	0.145	0.712	
1021.247	1020.728	16.01	16.32	15.18	100.9172	0.3633018	0.000302752	0.062	0.08	0.103	0.08	
1021.198	1020.5	16.46	16.57	15.11	12.3715	0.04453738	3.71E-05	0.023	0	0.037	0	
1021.519	1020.803	15.37	16.86	15.11	-3.188406	-0.01147826	-9.57E-06	0.015	0	0.025	0	
1022.059	1021.472	16.1	16.67	15.25	-3.029974	-0.01090791	-9.09E-06	0.001	0	0.004	0	
1022.045	1021.746	16.36	16.66	15.31	-2.112043	-0.007603356	-6.34E-06	0.003	0	0.006	0	
1022.08	1021.713	17.6	17.83	16.33	-2.117967	-0.007624683	-6.35E-06	-0.004	0	-0.006	0	
1022.404	1022.08	17.41	17.81	16.84	-1.650354	-0.005941275	-4.95E-06	0.007	0	0.011	0	
1022.355	1022.104	17.26	17.76	16.73	-1.221655	-0.004397958	-3.66E-06	0.005	0	0.009	0	
1022.365	1021.962	16.31	17.38	16.26	-2.04303	-0.007354908	-6.13E-06	0	0	0.001	0	
1022.694	1022.305	16	16.6	15.8	-3.168806	-0.0114077	-9.51E-06	0.005	0	0.008	0	
1022.754	1022.378	17.05	17.41	15.92	-2.802932	-0.01009055	-8.41E-06	-0.006	0.031	-0.008	0.031	
1023.163	1022.689	16.03	17.03	15.93	4.269194	0.0153691	1.28E-05	0.008	0.535	0.012	0.535	
1023.389	1023.163	16.71	17.25	15.38	95.74223	0.344672	0.000287227	0.078	1.298	0.084	1.298	
1023.538	1023.382	16.6	17.4	16.3	223.4279	0.8043404	0.000670284	0.176	2.048	0.195	2.048	
1023.618	1023.429	15.1	17.2	15.03	518.8544	1.867876	0.001556563	0.399	2.72	0.439	2.72	
1023.582	1023.485	14.8	16.56	14.41	592.9946	2.13478	0.001778984	0.482	3.255	0.536	3.255	
1023.575	1023.504	14.96	16.91	13.66	644.2284	2.319222	0.001932685	0.538	3.599	0.616	3.599	
1023.568	1023.078	15.9	15.99	13.6	982.3389	3.53642	0.002947017	0.799	3.738	0.898	3.738	
1023.092	1022.641	14.47	16.1	12.83	1061.798	3.822473	0.003185394	0.869	3.662	0.967	3.662	
1022.641	1021.95	13.8	15.23	12.79	961.253	3.460511	0.002883759	0.796	3.367	0.898	3.367	
1021.95	1021.267	13.27	15.01	12.07	770.6996	2.774518	0.002312099	0.651	2.883	0.752	2.883	
1021.34	1020.437	13.15	14.06	12.17	367.3749	1.32255	0.001102125	0.397	2.241	0.519	2.241	
1022.046	1020.972	16.22	17.04	12.83	59.45816	0.2140494	0.000178375	0.125	1.482	0.186	1.482	
1021.82	1020.988	16.3	16.98	15.73	32.71301	0.1177668	9.81E-05	0.081	0.708	0.124	0.708	
1021.681	1021.034	16.4	16.76	16.17	40.48802	0.1457569	0.000121464	0.01	0.078	0.042	0.078	
1021.715	1021.407	16.65	17.16	16.36	7.964054	0.02867059	2.39E-05	0.031	0	0.046	0	
1022.852	1021.637	16.29	16.73	14.95	-2.77808	-0.01000109	-8.33E-06	0.034	0	0.051	0	
1023.542	1022.812	14.18	17.44	14.18	-1.802766	-0.006489957	-5.41E-06	0.026	0	0.039	0	

1023.455	1021.881	14.51	16.34	13.93	-2.852251	-0.0102681	-8.56E-06	0.038	0	0.058	0	
1022.299	1021.797	13.83	15.31	13.83	-4.003995	-0.01441438	-1.20E-05	0.018	0	0.028	0	
1022.86	1022.299	14.42	14.46	13.49	-3.005381	-0.01081937	-9.02E-06	0.021	0	0.033	0	
1023.701	1022.86	16.18	16.37	14.19	-3.429473	-0.0123461	-1.03E-05	0.017	0	0.027	0	
1023.917	1023.001	14.42	16.44	14.41	-2.313693	-0.008329296	-6.94E-06	0.017	0	0.026	0	
1023.105	1022.87	15.13	15.38	13.82	-2.192472	-0.0078929	-6.58E-06	0.018	0	0.029	0	
1023.231	1022.938	15.59	15.63	14.63	-2.086334	-0.007510803	-6.26E-06	0.008	0.029	0.013	0.029	
1023.598	1023.093	15.51	15.97	14.53	1.122407	0.004040667	3.37E-06	0.01	0.531	0.017	0.531	
1023.471	1023.256	15.92	16.23	15.51	56.04986	0.2017795	0.00016815	0.055	1.294	0.065	1.294	
1024.194	1023.332	16.4	16.66	15.78	127.6557	0.4595607	0.000382967	0.113	2.047	0.128	2.047	
1024.274	1024.136	14.89	16.55	14.54	543.2828	1.955818	0.001629849	0.419	2.722	0.458	2.722	