

## **LAMPIRAN**

Lampiran data operasi harian generator sinkron unit 2 PLTU Kaltim Teluk setiap jam, periode 09/09/2019-07/10/2019

Tanggal	Jam	Daya Aktif (MW)	Daya reaktif (MVAR)	Tegangan Generator (kV)	Frekuensi	Arus Generator (I)	Cos phi	Arus Eksitasi	Tegangan eksitasi
08/09/2019	1:00:00	0	-0.09	0	47.00	-0.85	0.08	0.45	0
08/09/2019	2:00:00	0	-0.09	0	47.00	-0.84	0.08	0.45	0
08/09/2019	3:00:00	0	-0.08	0	47.00	-0.81	0.09	0.45	0
08/09/2019	4:00:00	0	-0.08	0	47.00	-0.8	0.09	0.43	0
08/09/2019	5:00:00	0	-0.08	0	47.00	-0.79	0.08	0.4	0
08/09/2019	6:00:00	0	-0.08	0	47.00	-0.76	0.09	0.4	0
08/09/2019	7:00:00	0	-0.07	0	47.00	-0.74	0.09	0.4	0
08/09/2019	8:00:00	0	-0.07	0	47.00	-0.71	0.09	0.4	0
08/09/2019	9:00:00	0	-0.07	0	47.00	-0.74	0.10	0.4	0.01
08/09/2019	10:00:00	0	-0.08	0	47.00	-0.77	0.09	0.4	0.01
08/09/2019	11:00:00	0	-0.08	0	47.00	-0.77	0.09	0.44	0.01
08/09/2019	12:00:00	0	-0.08	0	47.00	-0.81	0.08	0.45	0.01
08/09/2019	13:00:00	0	-0.08	0	47.00	-0.82	0.09	0.45	0.01
08/09/2019	14:00:00	0	-0.09	0	47.00	-0.84	0.09	0.48	0.01
08/09/2019	15:00:00	0	-0.09	0	47.00	-0.85	0.07	0.5	0.01
08/09/2019	16:00:00	0	-0.1	0.02	47.00	-0.91	-0.42	0.5	0.02
08/09/2019	17:00:00	0	-0.1	0.05	47.00	-0.91	-0.43	0.5	-0.05
08/09/2019	18:00:00	0	-0.1	0.05	47.00	-0.92	-0.42	0.5	-0.05
08/09/2019	19:00:00	0	-0.1	0.05	47.00	-0.92	-0.42	0.5	-0.05
08/09/2019	20:00:00	0	-0.1	0.05	47.00	-0.92	-0.42	0.5	-0.06
08/09/2019	21:00:00	8.52	17.25	13.84	50.14	795.5	0.43	632.84	87.77
08/09/2019	22:00:00	9.54	14.81	13.84	50.2	716.86	0.53	614.06	85.39
08/09/2019	23:00:00	19.19	9.14	13.85	50.1	816.46	0.9	587.46	81.74
09/09/2019	0:00:00	19.98	4.52	13.85	50.08	779.28	0.97	556.25	77.44
09/09/2019	1:00:00	24.45	0.9	13.85	50.17	940.54	1	539.89	75.15
09/09/2019	2:00:00	28.34	-0.09	13.85	50.13	1092.3	1	544.25	75.74
09/09/2019	3:00:00	34.91	-0.67	13.85	50.17	1363.6	1	560.61	78.02
09/09/2019	4:00:00	35.21	-0.84	13.85	50.08	1376.4	1	562.41	78.28
09/09/2019	5:00:00	41.75	0.34	13.84	50.23	1645.1	1	590.93	82.25
09/09/2019	6:00:00	50.26	6.84	13.89	50.08	2010.9	0.99	669.52	93.33
09/09/2019	7:00:00	54.95	7.39	13.88	50.06	2211.4	0.99	693.6	96.83
09/09/2019	8:00:00	55.05	11.52	13.88	49.83	2245.7	0.98	724.16	101.17
09/09/2019	9:00:00	54.96	16.91	13.88	49.84	2294.4	0.96	757.83	106.07
09/09/2019	10:00:00	57.28	19.25	13.9	49.95	2408.3	0.95	780.03	109.38
09/09/2019	11:00:00	60.1	28.97	14.02	49.93	2640.7	0.9	860.31	121.25
09/09/2019	12:00:00	60.01	32.77	14.09	50.15	2699.1	0.88	883.71	124.84
09/09/2019	13:00:00	60.06	33.84	14.06	49.84	2734.7	0.87	897.39	126.88

09/09/2019	14:00:00	60	37.17	14.06	49.91	2804.4	0.85	918.54	130.03
09/09/2019	15:00:00	59.95	35.52	14.01	50.08	2775.2	0.86	900.49	127.44
09/09/2019	16:00:00	60.04	28.87	14.07	50.04	2627.5	0.9	859.62	121.36
09/09/2019	17:00:00	59.92	22.5	14.07	50.19	2513.9	0.94	813.71	114.66
09/09/2019	18:00:00	60.45	15.57	14.08	49.93	2466.3	0.97	777.5	109.25
09/09/2019	19:00:00	65.03	16.64	14.08	50	2667.3	0.97	802.41	112.84
09/09/2019	20:00:00	64.97	15.68	14.08	50.1	2652.8	0.97	794.22	111.65
09/09/2019	21:00:00	65.02	14.73	14.08	50.3	2639.9	0.97	784.42	110.23
09/09/2019	22:00:00	64.95	12.92	14.08	50.14	2609.8	0.98	775.76	108.97
09/09/2019	23:00:00	65.05	11.93	14.08	50.16	2597.2	0.98	769.93	108.09
10/09/2019	0:00:00	64.95	9.7	14.08	50.16	2585.1	0.99	756.01	106.04
10/09/2019	1:00:00	65.1	11.03	14.08	49.9	2595.9	0.99	769.11	107.89
10/09/2019	2:00:00	64.92	11.28	14.07	50.05	2593.6	0.99	766.56	107.55
10/09/2019	3:00:00	65.1	8.49	14.07	50.1	2587.6	0.99	749.62	105.1
10/09/2019	4:00:00	65.03	7.29	14.07	49.83	2580	0.99	747.43	104.71
10/09/2019	5:00:00	65.05	7.85	14.07	49.9	2581.6	0.99	749.3	104.98
10/09/2019	6:00:00	64.96	10.52	14.08	50.06	2584.8	0.99	761.28	106.72
10/09/2019	7:00:00	69.97	11.09	14.08	50.1	2796.2	0.99	786.47	110.43
10/09/2019	8:00:00	69.98	14.96	14.07	49.95	2832.5	0.98	813.06	114.31
10/09/2019	9:00:00	69.89	14.66	14.07	50.22	2829.1	0.98	806.49	113.43
10/09/2019	10:00:00	70.03	16.39	14.07	50.16	2849	0.97	819.01	115.31
10/09/2019	11:00:00	69.97	19.12	14.07	49.87	2875.1	0.96	841.49	118.6
10/09/2019	12:00:00	70.01	20.68	14.07	49.91	2888.6	0.96	850.24	119.92
10/09/2019	13:00:00	70.02	24.65	14.07	49.86	2941	0.94	876.42	123.81
10/09/2019	14:00:00	69.89	19.11	14.07	50.22	2876	0.96	834.82	117.78
10/09/2019	15:00:00	70.07	19.53	14.07	50.02	2883	0.96	841.83	118.78
10/09/2019	16:00:00	69.84	20.33	14.07	49.89	2874	0.96	847.92	119.62
10/09/2019	17:00:00	69.98	17.89	14.07	50.16	2857.2	0.97	828.11	116.74
10/09/2019	18:00:00	70.04	17.44	14.07	50.01	2863.8	0.97	829.27	116.81
10/09/2019	19:00:00	69.91	18.57	14.08	49.99	2877.8	0.97	836.11	117.78
10/09/2019	20:00:00	69.95	16.53	14.08	50.09	2856.1	0.97	821.67	115.78
10/09/2019	21:00:00	70.02	14.21	14.08	50.17	2838.8	0.98	806.39	113.58
10/09/2019	22:00:00	70.01	12.64	14.08	50.08	2822.4	0.98	798.09	112.34
10/09/2019	23:00:00	70.04	12.83	14.08	50.13	2824.1	0.98	798.11	112.3
11/09/2019	0:00:00	75.85	16.67	14.07	49.99	3098.1	0.98	849.77	119.86
11/09/2019	1:00:00	75.28	15.73	14.06	49.86	3069	0.98	844.16	119.04
11/09/2019	2:00:00	74.87	13.68	14.07	50.02	3040.1	0.98	827.15	116.53
11/09/2019	3:00:00	75.06	11.29	14.07	50.21	3031.7	0.99	810.64	114.08
11/09/2019	4:00:00	75.01	9.81	14.07	50.25	3021.7	0.99	801.37	112.7
11/09/2019	5:00:00	76.29	10.75	14.07	50.13	3074	0.99	814.63	114.6
11/09/2019	6:00:00	80.07	11.76	14.07	50.23	3223.7	0.99	836.4	117.86

11/09/2019	7:00:00	79.92	12.19	14.06	50.1	3234	0.99	841.47	118.57
11/09/2019	8:00:00	89.97	11.96	14.06	49.98	3634.2	0.99	892.8	126.22
11/09/2019	9:00:00	90.25	17.02	14.05	49.73	3682.3	0.98	927.17	131.51
11/09/2019	10:00:00	90.06	18.59	14.05	50.15	3686.3	0.98	927.73	131.79
11/09/2019	11:00:00	89.7	19.83	14.05	50.23	3686.6	0.98	932.29	132.55
11/09/2019	12:00:00	90.1	23.59	14.05	49.61	3744	0.97	967.86	137.85
11/09/2019	13:00:00	90.01	22.75	14.05	50.1	3716.2	0.97	952.28	135.65
11/09/2019	14:00:00	89.83	23.16	14.05	50.15	3714	0.97	953.28	135.8
11/09/2019	15:00:00	90.09	23.41	14.05	50.07	3726.6	0.97	957.32	136.36
11/09/2019	16:00:00	90.07	21.59	14.05	50.21	3703	0.97	943.68	134.3
11/09/2019	17:00:00	90.01	19.03	14.05	50.16	3680.3	0.98	929.85	132.11
11/09/2019	18:00:00	89.95	16.88	14.06	49.95	3657.4	0.98	921.31	130.78
11/09/2019	19:00:00	89.87	15.99	14.07	50.15	3653.3	0.98	912.54	129.46
11/09/2019	20:00:00	89.92	15.81	14.07	50.12	3650.9	0.98	911.87	129.4
11/09/2019	21:00:00	89.94	14.86	14.07	50.12	3645.6	0.99	906.75	128.65
11/09/2019	22:00:00	89.7	13.53	14.07	50.26	3615.1	0.99	895.05	126.94
11/09/2019	23:00:00	90.25	17.63	14.06	50.22	3679.5	0.98	921.38	130.83
12/09/2019	0:00:00	89.89	16.18	14.06	49.95	3659.9	0.98	916.56	130.01
12/09/2019	1:00:00	88.95	14.32	14.06	50.12	3606.2	0.99	898.06	127.24
12/09/2019	2:00:00	90.91	13.46	14.05	50.01	3681.9	0.99	904.99	128.21
12/09/2019	3:00:00	91.01	12.77	14.03	50.04	3699	0.99	901.14	127.66
12/09/2019	4:00:00	90.09	11.13	14.03	50.07	3655.6	0.99	887.01	125.55
12/09/2019	5:00:00	89.96	12.46	14.03	49.9	3650.6	0.99	896.22	126.86
12/09/2019	6:00:00	89.76	14.32	14.03	49.86	3651.4	0.99	906.14	128.33
12/09/2019	7:00:00	90.91	14.64	14.03	49.98	3701.2	0.99	911.54	129.17
12/09/2019	8:00:00	90.87	20.33	14.02	49.81	3742.8	0.98	946.2	134.31
12/09/2019	9:00:00	90.01	19.42	14.05	50.1	3687.6	0.98	932.39	132.4
12/09/2019	10:00:00	89.88	19.1	14.05	50.21	3682.6	0.98	928.53	131.96
12/09/2019	11:00:00	89.96	20.57	14.05	50.05	3704.5	0.97	941	133.87
12/09/2019	12:00:00	89.9	21.95	14.05	49.93	3722.3	0.97	951.35	135.38
12/09/2019	13:00:00	90.05	23.28	14.05	49.97	3739.9	0.97	959.25	136.59
12/09/2019	14:00:00	90.05	25.17	14.04	49.93	3762.4	0.96	971.07	138.42
12/09/2019	15:00:00	90.09	26.08	14.04	49.81	3768.3	0.96	978.63	139.58
12/09/2019	16:00:00	90.05	24.29	14.05	50.1	3742.7	0.97	961.75	137.01
12/09/2019	17:00:00	89.08	21.69	14.05	50.04	3667.7	0.97	942.47	134.05
12/09/2019	18:00:00	89.88	17.31	14.06	50.12	3668.3	0.98	920.62	130.73
12/09/2019	19:00:00	89.77	16.82	14.07	50.13	3653.9	0.98	916.74	130.11
12/09/2019	20:00:00	90.01	15.71	14.07	50.16	3655.6	0.98	911.1	129.28
12/09/2019	21:00:00	89.98	16.47	14.06	49.89	3660.2	0.98	920.11	130.62
12/09/2019	22:00:00	90.03	13.71	14.07	50.19	3638.8	0.99	899.29	127.59
12/09/2019	23:00:00	90.06	11.89	14.06	50.09	3641.9	0.99	891.7	126.4

13/09/2019	0:00:00	89.73	13.13	14.06	50.16	3635.2	0.99	895.41	126.9
13/09/2019	1:00:00	89.9	12.48	14.05	49.93	3641.4	0.99	896.94	127.03
13/09/2019	2:00:00	89.98	13.09	14.05	50.17	3647.4	0.99	896.07	126.9
13/09/2019	3:00:00	90.06	11.86	14.05	50.28	3649.5	0.99	887.91	125.73
13/09/2019	4:00:00	89.82	11.65	14.05	49.88	3641	0.99	892.7	126.39
13/09/2019	5:00:00	90.12	12.67	14.05	49.82	3652.2	0.99	900.41	127.54
13/09/2019	6:00:00	89.49	14.03	14.06	50.01	3632.7	0.99	901.11	127.63
13/09/2019	7:00:00	90.01	14.68	14.05	50.16	3663.9	0.99	905	128.25
13/09/2019	8:00:00	90.1	18.09	14.05	50.18	3687.5	0.98	923.65	131.03
13/09/2019	9:00:00	90.06	18.83	14.05	50.02	3695.4	0.98	931.33	132.22
13/09/2019	10:00:00	89.98	21.93	14.05	50.27	3721.7	0.97	943.78	134.19
13/09/2019	11:00:00	90.02	24.89	14.04	49.87	3756.8	0.96	969.47	138.18
13/09/2019	12:00:00	89.47	25.02	14.04	49.97	3739.5	0.96	965.73	137.63
13/09/2019	13:00:00	89.98	24.3	14.05	50.05	3747.3	0.96	962.35	137.16
13/09/2019	14:00:00	89.97	25.69	14.05	50.02	3752.1	0.96	971.17	138.52
13/09/2019	15:00:00	90.13	24.63	14.05	50.14	3742.3	0.96	963.1	137.31
13/09/2019	16:00:00	89.74	23.42	14.05	50.05	3717.4	0.97	956.02	136.11
13/09/2019	17:00:00	90.22	20.96	14.06	50.29	3703	0.97	938.81	133.52
13/09/2019	18:00:00	89.9	19.47	14.06	50.16	3681.5	0.98	931.88	132.43
13/09/2019	19:00:00	89.74	20.86	14.06	50.05	3689.4	0.97	940.98	133.78
13/09/2019	20:00:00	90.14	18.79	14.06	50.08	3688.8	0.98	930.5	132.18
13/09/2019	21:00:00	90.02	17.19	14.06	50.04	3667.8	0.98	921.35	130.75
13/09/2019	22:00:00	89.89	14.97	14.06	50.3	3651.5	0.99	903.58	128.15
13/09/2019	23:00:00	90.12	12.31	14.06	50.16	3644.5	0.99	892.72	126.58
14/09/2019	0:00:00	90.21	9.54	14.06	50.21	3640.4	0.99	877.7	124.23
14/09/2019	1:00:00	89.45	8.03	14.06	50.09	3609.3	1	868.34	122.83
14/09/2019	2:00:00	89.82	7.72	14.05	50.25	3628.2	1	865.85	122.42
14/09/2019	3:00:00	90.65	7.12	14.05	50.19	3669.4	1	868.4	122.78
14/09/2019	4:00:00	90.17	6.85	14.05	50.06	3653.3	1	866.96	122.52
14/09/2019	5:00:00	90.01	9.84	14.05	49.91	3656.4	0.99	884.16	125.05
14/09/2019	6:00:00	89.79	10.26	14.05	50.04	3643.4	0.99	882.69	124.84
14/09/2019	7:00:00	90.14	10.03	14.05	50.27	3655.8	0.99	879.49	124.41
14/09/2019	8:00:00	90.19	11.94	14.04	49.93	3677.2	0.99	896.6	126.96
14/09/2019	9:00:00	89.93	20.3	14.04	49.94	3737	0.98	941.77	133.71
14/09/2019	10:00:00	90.06	23.59	14.04	50.23	3763.6	0.97	954.78	135.83
14/09/2019	11:00:00	90.11	22.98	14.04	50.11	3755.4	0.97	954.01	135.79
14/09/2019	12:00:00	89.68	22.31	14.04	50.25	3733.4	0.97	945.97	134.67
14/09/2019	13:00:00	90.05	23.34	14.04	50.06	3754	0.97	957.76	136.41
14/09/2019	14:00:00	89.87	24.04	14.04	50.21	3742.2	0.97	956.81	136.36
14/09/2019	15:00:00	90.03	29.11	14.19	50.2	3745.3	0.95	990.61	141.54
14/09/2019	16:00:00	89.89	25.17	14.2	50.09	3691.1	0.96	968.84	138.11

14/09/2019	17:00:00	90.08	22.44	14.2	50.14	3679.9	0.97	953.44	135.75
14/09/2019	18:00:00	90.04	22.14	14.2	50.11	3690.9	0.97	952.62	135.53
14/09/2019	19:00:00	89.7	22.09	14.2	49.82	3665	0.97	956.06	135.96
14/09/2019	20:00:00	89.96	22.2	14.21	50.2	3673.1	0.97	949.95	135.12
14/09/2019	21:00:00	90.09	20.57	14.21	50.14	3667.3	0.97	942.48	134.03
14/09/2019	22:00:00	89.94	20.65	14.21	50.25	3662.2	0.97	940.07	133.64
14/09/2019	23:00:00	89.85	20.4	14.2	50.17	3677	0.97	940.36	133.71
15/09/2019	0:00:00	90.3	18.91	14.19	50.1	3687.3	0.98	935.33	132.92
15/09/2019	1:00:00	89.77	14.31	14.12	49.91	3654.3	0.99	908.92	128.89
15/09/2019	2:00:00	90.03	12.62	14.12	49.96	3644.2	0.99	899.21	127.42
15/09/2019	3:00:00	89.84	10.9	14.12	50.06	3627.8	0.99	887.31	125.62
15/09/2019	4:00:00	90.2	10.09	14.12	49.92	3641	0.99	887.65	125.65
15/09/2019	5:00:00	90.2	10.12	14.13	49.91	3635.1	0.99	887.61	125.61
15/09/2019	6:00:00	89.99	9.4	14.13	50.18	3613.5	0.99	877.14	124.07
15/09/2019	7:00:00	90.24	9.62	14.13	50.22	3627.4	0.99	879.12	124.37
15/09/2019	8:00:00	89.7	11.38	14.12	50.2	3621.7	0.99	887	125.53
15/09/2019	9:00:00	89.69	15.15	14.12	50.01	3654.7	0.99	911.67	129.21
15/09/2019	10:00:00	90.13	19.87	14.11	50.04	3707.7	0.98	939.74	133.53
15/09/2019	11:00:00	90.33	22.71	14.12	49.97	3736	0.97	958.22	136.39
15/09/2019	12:00:00	90.02	24.01	14.12	50.12	3734.6	0.97	960.93	137.03
15/09/2019	13:00:00	89.73	25.92	14.12	50.09	3747.6	0.96	971.85	138.65
15/09/2019	14:00:00	89.95	29.79	14.11	50.13	3803.1	0.95	994.88	142.22
15/09/2019	15:00:00	89.97	25.7	14.12	50.23	3752.4	0.96	968.85	138.25
15/09/2019	16:00:00	89.85	25.88	14.12	50.03	3741.7	0.96	972.78	138.8
15/09/2019	17:00:00	90	23.37	14.12	50.17	3716	0.97	955.94	136.16
15/09/2019	18:00:00	90.21	22.2	14.12	50.16	3725.7	0.97	950.75	135.3
15/09/2019	19:00:00	89.85	21.7	14.13	50.15	3707.6	0.97	946.61	134.62
15/09/2019	20:00:00	89.98	21.33	14.13	50.13	3699	0.97	944.91	134.36
15/09/2019	21:00:00	89.97	21.68	14.13	50.09	3709.3	0.97	947.75	134.8
15/09/2019	22:00:00	90.19	16.85	14.13	50.17	3684.8	0.98	920.54	130.73
15/09/2019	23:00:00	90.17	15.42	14.12	50.3	3689.7	0.99	910.85	129.24
16/09/2019	0:00:00	89.79	18.57	14.1	50.11	3730.1	0.98	931.57	132.34
16/09/2019	1:00:00	90	14.77	14.06	50.03	3721.5	0.99	911.34	129.27
16/09/2019	2:00:00	89.95	14.22	14.05	49.89	3729.8	0.99	911.21	129.22
16/09/2019	3:00:00	89.97	21.32	14.04	50.01	3803.6	0.97	948.16	134.79
16/09/2019	4:00:00	90.09	19.7	14.04	50.21	3791.5	0.98	935.28	132.85
16/09/2019	5:00:00	90.03	21.02	14.05	49.87	3794.1	0.97	948.6	134.81
16/09/2019	6:00:00	90.06	21.35	14.05	50.11	3789.2	0.97	945.69	134.38
16/09/2019	7:00:00	89.97	23.21	14.05	50.13	3798.5	0.97	955.77	135.89
16/09/2019	8:00:00	90.12	31.34	14.04	50.2	3904.5	0.94	1002.43	142.99
16/09/2019	9:00:00	89.75	37.06	14.16	49.98	3936.6	0.92	1044.13	149.46

16/09/2019	10:00:00	90.03	39.13	14.16	50.15	3969.2	0.92	1053.94	151.15
16/09/2019	11:00:00	90.21	42.58	14.23	49.93	4011.8	0.9	1083.66	156
16/09/2019	12:00:00	89.86	41.74	14.23	50.06	4001	0.91	1075.19	154.7
16/09/2019	13:00:00	89.83	42.05	14.23	49.86	3994.8	0.9	1082.03	155.76
16/09/2019	14:00:00	89.99	43.01	14.24	50.11	4005.4	0.9	1082.44	155.97
16/09/2019	15:00:00	90.22	42.18	14.24	50.11	3991.1	0.9	1077.22	155.33
16/09/2019	16:00:00	89.7	42.36	14.24	49.84	3973.3	0.9	1083	156.22
16/09/2019	17:00:00	90.59	31.94	14.12	50.06	3871.8	0.94	1012.24	145
16/09/2019	18:00:00	89.96	28.66	14.13	49.98	3807.2	0.95	991.62	141.68
16/09/2019	19:00:00	90.62	32.18	14.14	50.1	3870.9	0.94	1013.02	144.93
16/09/2019	20:00:00	89.65	30.72	14.14	50.1	3814.9	0.95	999.31	142.8
16/09/2019	21:00:00	89.98	25.73	14.14	50.08	3771.9	0.96	971.83	138.58
16/09/2019	22:00:00	90.17	18.05	14.14	50.17	3703.7	0.98	927.28	131.74
16/09/2019	23:00:00	89.9	20.72	14.13	50.07	3736	0.97	943.21	134.15
17/09/2019	0:00:00	89.73	16.39	14.14	50.1	3677.5	0.98	916.77	130.21
17/09/2019	1:00:00	90.27	15.34	14.13	50	3695.3	0.99	916.08	130.06
17/09/2019	2:00:00	89.99	11.71	14.09	49.73	3674.3	0.99	898.65	127.36
17/09/2019	3:00:00	89.73	7.98	14.09	50.07	3644.3	1	871.45	123.35
17/09/2019	4:00:00	89.98	11	14.08	50.08	3687.4	0.99	889.19	125.97
17/09/2019	5:00:00	90.17	12.47	14.08	50.08	3707.4	0.99	898.06	127.29
17/09/2019	6:00:00	89.92	10.78	14.09	50.26	3662.7	0.99	883.3	125.1
17/09/2019	7:00:00	89.97	17.98	14.07	49.85	3735.9	0.98	932.03	132.23
17/09/2019	8:00:00	89.96	24.6	14.07	50.12	3801.7	0.96	964.43	137.24
17/09/2019	9:00:00	89.95	28.02	14.12	50.17	3811.7	0.95	984.23	140.34
17/09/2019	10:00:00	91.06	29.77	14.12	50.18	3880.5	0.95	999.98	142.85
17/09/2019	11:00:00	90.12	31.27	14.12	50.07	3869.5	0.94	1008.02	144.11
17/09/2019	12:00:00	89.83	31.7	14.12	50.19	3870.2	0.94	1006.47	144.04
17/09/2019	13:00:00	89.76	32.01	14.12	49.93	3863.9	0.94	1013.51	145.06
17/09/2019	14:00:00	89.61	36.2	14.11	50.06	3909	0.93	1035.65	148.59
17/09/2019	15:00:00	89.83	37.73	14.11	49.73	3939.7	0.92	1053.51	151.34
17/09/2019	16:00:00	89.97	35.84	14.11	50.07	3914	0.93	1034.33	148.37
17/09/2019	17:00:00	89.92	32.04	14.12	50.07	3859.8	0.94	1010.73	144.68
17/09/2019	18:00:00	90.18	29.06	14.13	49.81	3829.2	0.95	999.57	142.8
17/09/2019	19:00:00	89.4	30.04	14.13	50.01	3799.7	0.95	996.99	142.4
17/09/2019	20:00:00	90	26.55	14.14	50.15	3775	0.96	975.66	139.15
17/09/2019	21:00:00	90.07	22.57	14.14	50.09	3735.9	0.97	954.01	135.8
17/09/2019	22:00:00	90.27	17.44	14.14	50.2	3705.4	0.98	924.26	131.31
17/09/2019	23:00:00	90.03	20.25	14.11	50.15	3733.5	0.98	938.97	133.45
18/09/2019	0:00:00	90.9	18.82	14.1	50.24	3770.2	0.98	933.61	132.7
18/09/2019	1:00:00	91.14	18.64	14.1	50.04	3793.8	0.98	938.63	133.42
18/09/2019	2:00:00	91.13	17.94	14.1	50.05	3792	0.98	934.61	132.78

18/09/2019	3:00:00	91.16	16.54	14.1	50.13	3785.3	0.98	925.36	131.4
18/09/2019	4:00:00	90.88	18.47	14.09	49.89	3797.6	0.98	939.67	133.51
18/09/2019	5:00:00	90.89	17.54	14.1	49.96	3781.3	0.98	932.43	132.42
18/09/2019	6:00:00	91.24	15.56	14.1	50.23	3758.3	0.99	916.82	130.16
18/09/2019	7:00:00	90.7	21.1	14.09	50.03	3798.5	0.97	950.53	135.11
18/09/2019	8:00:00	90.84	27.88	14.09	49.9	3876	0.96	992.73	141.53
18/09/2019	9:00:00	91.2	36.24	14.08	49.87	3997.3	0.93	1045.41	149.7
18/09/2019	10:00:00	90.8	35.76	14.09	50.07	3957.2	0.93	1035.5	148.38
18/09/2019	11:00:00	91.14	37.81	14.09	49.95	4005.6	0.92	1053.07	151.11
18/09/2019	12:00:00	91.12	37.13	14.09	50.13	3996.3	0.93	1045.53	150.1
18/09/2019	13:00:00	90.79	38.4	14.08	49.78	4005.6	0.92	1060.08	152.38
18/09/2019	14:00:00	90.27	39.93	14.08	49.76	3999.6	0.91	1067.46	153.61
18/09/2019	15:00:00	91.61	40.42	14.08	50.15	4055	0.91	1067.58	153.7
18/09/2019	16:00:00	90.97	37.11	14.09	50.17	3978.7	0.93	1043.43	149.89
18/09/2019	17:00:00	90.78	30.86	14.09	50.26	3884.4	0.95	1002.54	143.46
18/09/2019	18:00:00	89.96	28.39	14.1	50.02	3822.5	0.95	989.1	141.28
18/09/2019	19:00:00	90.09	32.22	14.11	50.12	3861.2	0.94	1010.03	144.39
18/09/2019	20:00:00	90.27	29.89	14.11	49.93	3841.8	0.95	1000.84	142.99
18/09/2019	21:00:00	89.96	26.24	14.11	50.06	3788.2	0.96	974.83	138.98
18/09/2019	22:00:00	89.92	19.42	14.11	50.16	3720.3	0.98	933.48	132.71
18/09/2019	23:00:00	90.06	26.37	14.1	49.97	3810.6	0.96	978.17	139.32
19/09/2019	0:00:00	90.77	24.92	14.09	50.05	3839	0.96	971.85	138.46
19/09/2019	1:00:00	91.15	22.2	14.1	50.16	3823.2	0.97	955.87	136.04
19/09/2019	2:00:00	91.05	19.52	14.1	50.31	3789.6	0.98	936.77	133.18
19/09/2019	3:00:00	90.9	22.01	14.1	50.2	3816.6	0.97	952.67	135.5
19/09/2019	4:00:00	90.72	22.49	14.09	50	3819.7	0.97	958.64	136.41
19/09/2019	5:00:00	90.95	23.5	14.09	49.88	3835.6	0.97	967.65	137.73
19/09/2019	6:00:00	91.34	24.52	14.09	49.96	3859.1	0.97	973.71	138.65
19/09/2019	7:00:00	90.89	26.57	14.09	50.01	3868.6	0.96	983.03	140.03
19/09/2019	8:00:00	90.59	29.41	14.09	49.87	3887.6	0.95	1001.32	142.89
19/09/2019	9:00:00	90.87	30.03	14.09	50.07	3895.8	0.95	1002.17	143.12
19/09/2019	10:00:00	90.8	30.45	14.09	50.26	3897.7	0.95	1000.71	143.02
19/09/2019	11:00:00	90.57	33.67	14.09	50.16	3929.4	0.94	1020.86	146.21
19/09/2019	12:00:00	90.42	27.93	14.1	50.19	3839.2	0.95	985.55	140.88
19/09/2019	13:00:00	91.2	30.28	14.1	50.11	3891.7	0.95	1004.44	143.82
19/09/2019	14:00:00	90.66	34.79	14.09	49.7	3930	0.93	1038.17	148.97
19/09/2019	15:00:00	90.39	35.51	14.09	49.77	3928.1	0.93	1040.05	149.33
19/09/2019	16:00:00	90.84	32.57	14.1	50.23	3900.8	0.94	1013.91	145.36
19/09/2019	17:00:00	90.04	27.56	14.1	50.24	3812.8	0.96	980.49	140.18
19/09/2019	18:00:00	90.69	26.11	14.1	49.88	3824.7	0.96	982.69	140.24
19/09/2019	19:00:00	91.12	29.22	14.11	49.87	3874.2	0.95	1003.28	143.3

19/09/2019	20:00:00	91.29	27.44	14.11	50.06	3857.1	0.96	989.21	141.21
19/09/2019	21:00:00	90.92	25.33	14.11	50.02	3821.4	0.96	975.92	139.18
19/09/2019	22:00:00	91.11	20.59	14.1	50.11	3787.5	0.98	947.43	134.86
19/09/2019	23:00:00	91.41	18.78	14.09	50.16	3782.1	0.98	936.87	133.27
20/09/2019	0:00:00	91.21	18.51	14.08	49.95	3788.6	0.98	939.17	133.58
20/09/2019	1:00:00	90.82	29.57	14.07	49.88	3889.7	0.95	1001.97	143.09
20/09/2019	2:00:00	91.28	26.03	14.07	50.27	3852.9	0.96	974.48	138.98
20/09/2019	3:00:00	91.35	24.22	14.07	50.19	3837.5	0.97	965.91	137.61
20/09/2019	4:00:00	90.11	24.95	14.07	49.94	3803.2	0.96	969.36	138.08
20/09/2019	5:00:00	91.11	24.93	14.08	50.18	3834.1	0.96	968.61	138.01
20/09/2019	6:00:00	91.23	26.07	14.08	50.14	3846.5	0.96	976.52	139.18
20/09/2019	7:00:00	90.27	32.16	14.17	49.93	3865.2	0.94	1016.02	145.21
20/09/2019	8:00:00	91.09	29.96	14.17	50.04	3874.6	0.95	1005.42	143.59
20/09/2019	9:00:00	91.03	34.57	14.16	49.93	3942.4	0.93	1036.14	148.36
20/09/2019	10:00:00	93.14	35.87	14.11	50.01	4057.6	0.93	1050.37	150.62
20/09/2019	11:00:00	91.56	42.21	14.11	50.13	4089.2	0.91	1078.84	155.34
20/09/2019	12:00:00	91.92	38.2	14.11	50.19	4040.6	0.92	1054.69	151.66
20/09/2019	13:00:00	91	37.39	14.11	50.17	3997.6	0.92	1046.77	150.45
20/09/2019	14:00:00	91.2	40.53	14.11	50.05	4045.1	0.91	1069.46	154.03
20/09/2019	15:00:00	89.23	41.4	14.11	49.95	3985.3	0.91	1068.78	154.01
20/09/2019	16:00:00	90.15	40.93	14.11	50.02	4006.6	0.91	1067.78	153.87
20/09/2019	17:00:00	90.01	34.29	14.11	50.16	3898.2	0.93	1023.34	146.95
20/09/2019	18:00:00	90.2	28.7	14.13	49.97	3817.9	0.95	993.78	142.15
20/09/2019	19:00:00	89.6	27.13	14.14	50.09	3770.8	0.96	979.09	139.79
20/09/2019	20:00:00	90.64	23.62	14.14	50.06	3775	0.97	964.04	137.45
20/09/2019	21:00:00	91.19	22.7	14.14	50.02	3794	0.97	962.13	137.13
20/09/2019	22:00:00	90.72	20.7	14.14	49.93	3747.6	0.97	949.77	135.19
20/09/2019	23:00:00	90.79	20.79	14.1	50.06	3781.7	0.97	948.65	135.03
21/09/2019	0:00:00	91.5	24.82	14.1	50.17	3861.2	0.96	972.73	138.71
21/09/2019	1:00:00	89.85	23.38	14.09	50.01	3794.4	0.97	960.54	136.86
21/09/2019	2:00:00	90.85	22.33	14.09	50.01	3818.4	0.97	958.69	136.56
21/09/2019	3:00:00	90.75	22.31	14.09	50.13	3817.7	0.97	955.85	136.12
21/09/2019	4:00:00	90.99	24.23	14.09	49.98	3855.9	0.97	971.02	138.38
21/09/2019	5:00:00	90.82	24.11	14.09	49.8	3837.5	0.97	972.67	138.63
21/09/2019	6:00:00	91.15	22.11	14.1	50.23	3825.6	0.97	953.95	135.83
21/09/2019	7:00:00	90.38	24.04	14.09	49.74	3807.3	0.97	970.73	138.24
21/09/2019	8:00:00	90.9	28.67	14.09	49.79	3885.6	0.95	999.73	142.69
21/09/2019	9:00:00	90.89	26.58	14.09	49.76	3858.6	0.96	988.5	141.03
21/09/2019	10:00:00	91.71	27.68	14.09	50.13	3887.6	0.96	990.66	141.46
21/09/2019	11:00:00	90.93	30.71	14.1	50.01	3880.8	0.95	1007.16	144
21/09/2019	12:00:00	90.89	31.63	14.09	49.95	3907.7	0.94	1014.86	145.33

21/09/2019	13:00:00	91.39	32.15	14.09	49.89	3923.3	0.94	1021.31	146.45
21/09/2019	14:00:00	90.13	33.48	14.12	49.95	3871.8	0.94	1022.14	146.76
21/09/2019	15:00:00	91.62	33.88	14.12	49.93	3940.2	0.94	1032.43	148.33
21/09/2019	16:00:00	91.15	29.1	14.07	50.12	3872.9	0.95	996.22	142.74
21/09/2019	17:00:00	90.75	26.17	14.08	50.08	3819.9	0.96	977.53	139.91
21/09/2019	18:00:00	91.36	25.36	14.08	49.72	3840.8	0.96	983.39	140.53
21/09/2019	19:00:00	90.74	20.58	14.1	50.13	3748.2	0.97	943.88	134.47
21/09/2019	20:00:00	90.96	16.37	14.1	50.09	3725.9	0.98	922.4	131.13
21/09/2019	21:00:00	90.96	15.09	14.09	50.18	3719.9	0.99	913.61	129.76
21/09/2019	22:00:00	90.81	16.14	14.09	49.97	3721.7	0.98	922.48	131.06
21/09/2019	23:00:00	91.1	16.56	14.08	50.06	3756.5	0.98	925.09	131.46
22/09/2019	0:00:00	90.94	20.02	14.08	50.13	3783.6	0.98	942.55	134.06
22/09/2019	1:00:00	91.14	19.47	14.07	49.83	3792	0.98	945.77	134.55
22/09/2019	2:00:00	90.76	16.84	14.07	50.03	3759.4	0.98	925.49	131.52
22/09/2019	3:00:00	90.97	15.32	14.08	50.12	3761	0.99	916.38	130.16
22/09/2019	4:00:00	91.22	15.06	14.07	50.14	3777.1	0.99	916.18	130.11
22/09/2019	5:00:00	91.11	15.9	14.07	50.01	3782	0.98	922.75	131.04
22/09/2019	6:00:00	91.12	15.73	14.07	50.29	3782	0.99	916.3	130.12
22/09/2019	7:00:00	91.51	16.43	14.06	50.24	3805.2	0.98	923.26	131.11
22/09/2019	8:00:00	90.41	22.71	14.06	49.86	3830.1	0.97	961.72	136.82
22/09/2019	9:00:00	89.53	27.14	14.05	49.97	3852.4	0.96	981.3	139.96
22/09/2019	10:00:00	90.16	33.53	14.05	49.87	3972.8	0.94	1025.35	146.68
22/09/2019	11:00:00	90.19	33.77	14.05	50.24	3974.7	0.94	1018.7	145.93
22/09/2019	12:00:00	90.87	41.18	14.12	49.89	4101.8	0.91	1077.19	155.05
22/09/2019	13:00:00	90.39	42.85	14.12	49.7	4099.2	0.9	1090.31	157.2
22/09/2019	14:00:00	90.96	36.14	14.13	49.93	3986.5	0.93	1044.61	150.3
22/09/2019	15:00:00	90.82	36.1	14.13	49.91	3974.6	0.93	1044.1	150.16
22/09/2019	16:00:00	90.01	33.22	14.14	49.96	3887.1	0.94	1020.69	146.56
22/09/2019	17:00:00	91.82	28.5	14.14	49.74	3885.5	0.95	1005.52	144.1
22/09/2019	18:00:00	91.62	23.45	14.16	50.02	3807.8	0.97	969.26	138.5
22/09/2019	19:00:00	91	23.96	14.16	49.88	3779.3	0.97	971.49	138.71
22/09/2019	20:00:00	90.98	20.88	14.17	50.17	3748.4	0.97	947.66	135.11
22/09/2019	21:00:00	91.35	19.86	14.16	50.17	3764.4	0.98	944.34	134.41
22/09/2019	22:00:00	91.1	20.93	14.16	50.16	3766.4	0.97	949.03	135.13
22/09/2019	23:00:00	91.31	22.61	14.15	50.14	3817.6	0.97	961.04	136.91
23/09/2019	0:00:00	91.09	19.97	14.15	50.2	3782.3	0.98	943.24	134.26
23/09/2019	1:00:00	91.23	18.34	14.15	50.2	3770.6	0.98	934.46	132.9
23/09/2019	2:00:00	90.54	16.13	14.15	50.19	3733.3	0.98	919.46	130.65
23/09/2019	3:00:00	90.89	15.93	14.15	50.14	3752.3	0.98	921.17	130.89
23/09/2019	4:00:00	91.24	16.14	14.15	50.14	3773.3	0.98	924.25	131.33
23/09/2019	5:00:00	90.12	16.85	14.15	49.96	3727.3	0.98	925.76	131.55

23/09/2019	6:00:00	90.72	16.84	14.15	50.07	3735.7	0.98	925.7	131.5
23/09/2019	7:00:00	91.14	21.86	14.14	49.89	3807.8	0.97	961.02	136.77
23/09/2019	8:00:00	91.37	28.61	14.14	50.21	3883.2	0.95	993.87	141.91
23/09/2019	9:00:00	90.98	34.68	14.13	50.17	3949.9	0.93	1029.56	147.53
23/09/2019	10:00:00	91.83	39.79	14.13	49.96	4055.9	0.92	1069.38	153.71
23/09/2019	11:00:00	91.86	35.07	14.14	50.35	3972.7	0.93	1032.1	148.24
23/09/2019	12:00:00	90.98	31.97	14.14	50.21	3891.1	0.94	1012.37	145.19
23/09/2019	13:00:00	90.93	34.39	14.14	50	3917.3	0.93	1031.52	148.12
23/09/2019	14:00:00	92.58	38.29	14.14	50.05	4039.5	0.92	1062.16	153.01
23/09/2019	15:00:00	90.82	38.53	14.14	50.04	3976.6	0.92	1055.75	152.14
23/09/2019	16:00:00	90.44	38.13	14.14	50.3	3955.9	0.92	1045.8	150.59
23/09/2019	17:00:00	91.1	35.72	14.14	50.25	3945.2	0.93	1035.16	148.85
23/09/2019	18:00:00	91.39	32.44	14.15	49.96	3905.9	0.94	1022.49	146.7
23/09/2019	19:00:00	91.61	34.44	14.15	50.12	3931.6	0.94	1031.85	148.06
23/09/2019	20:00:00	90.46	30.7	14.16	50.1	3836.8	0.95	1004.22	143.77
23/09/2019	21:00:00	91.24	24.96	14.16	50.12	3799.3	0.96	973.61	139.05
23/09/2019	22:00:00	90.75	17.28	14.09	50.14	3733	0.98	925.37	131.65
23/09/2019	23:00:00	91.6	19.4	14.08	49.93	3783.4	0.98	945.17	134.54
24/09/2019	0:00:00	90.95	17.77	14.08	50.14	3762.1	0.98	928.78	132.1
24/09/2019	1:00:00	91.68	17.97	14.08	49.76	3789.6	0.98	940.64	133.82
24/09/2019	2:00:00	91.3	15.91	14.08	49.96	3755.3	0.98	923.15	131.18
24/09/2019	3:00:00	92.24	13.11	14.08	50.13	3776.2	0.99	909.75	129.22
24/09/2019	4:00:00	90.97	12.87	14.08	49.87	3733.4	0.99	907.47	128.79
24/09/2019	5:00:00	90.81	12.64	14.08	49.78	3720.9	0.99	906.86	128.67
24/09/2019	6:00:00	91.52	12.17	14.08	50.2	3739.6	0.99	899.93	127.67
24/09/2019	7:00:00	90.26	15.71	14.07	50	3719.3	0.98	917.17	130.21
24/09/2019	8:00:00	90.81	22.59	14.08	50.12	3794.4	0.97	956.19	136.15
24/09/2019	9:00:00	91.09	29.41	14.09	49.79	3868.4	0.95	1004.36	143.41
24/09/2019	10:00:00	90.29	30.63	14.09	50.08	3859.5	0.95	1002.78	143.39
24/09/2019	11:00:00	90.88	32	14.11	49.98	3895.7	0.94	1016.49	145.68
24/09/2019	12:00:00	91.23	28.62	14.12	50.09	3861.8	0.95	995.48	142.41
24/09/2019	13:00:00	91.01	29.76	14.12	49.99	3865.1	0.95	1003.65	143.74
24/09/2019	14:00:00	91.16	33.17	14.12	50.21	3917.6	0.94	1020.29	146.41
24/09/2019	15:00:00	90.89	32.91	14.12	50.11	3896.5	0.94	1019.04	146.14
24/09/2019	16:00:00	91.29	33.41	14.11	49.78	3921.1	0.94	1031.46	147.96
24/09/2019	17:00:00	90.81	28.46	14.12	50.19	3841.3	0.95	990.73	141.85
24/09/2019	18:00:00	90.78	27.57	14.12	49.97	3827.3	0.96	989.95	141.62
24/09/2019	19:00:00	91.32	29.99	14.13	49.97	3864.7	0.95	1006.42	144.04
24/09/2019	20:00:00	91.03	28.58	14.13	50	3832.9	0.95	995.71	142.44
24/09/2019	21:00:00	90.72	22.96	14.14	50.13	3758.8	0.97	958.74	136.77
24/09/2019	22:00:00	91.07	13.45	14.14	50.21	3695.1	0.99	905.65	128.71

24/09/2019	23:00:00	91.2	16.78	14.08	50.17	3748.4	0.98	924.2	131.41
25/09/2019	0:00:00	91.26	16.35	14.08	50.06	3751.3	0.98	923.87	131.38
25/09/2019	1:00:00	91.17	13.45	14.08	50.11	3730.9	0.99	906.32	128.71
25/09/2019	2:00:00	92.26	10.74	14.08	50.12	3766.3	0.99	897.74	127.43
25/09/2019	3:00:00	91.46	8.45	14.08	50.35	3730.5	1	878.05	124.5
25/09/2019	4:00:00	90.94	13.25	14.07	49.9	3748.8	0.99	909.94	129.16
25/09/2019	5:00:00	89.71	13.72	14.08	49.82	3686.9	0.99	906.7	128.68
25/09/2019	6:00:00	90	13.88	14.08	50.13	3684	0.99	902.68	128.11
25/09/2019	7:00:00	86.38	16.75	14.07	50.15	3577.3	0.98	901.69	127.94
25/09/2019	8:00:00	90.91	22.23	14.07	50.05	3810.2	0.97	956.42	136.19
25/09/2019	9:00:00	91.13	25.27	14.09	50.27	3843.9	0.96	971.31	138.52
25/09/2019	10:00:00	91.55	26.1	14.12	50.18	3846.3	0.96	980.06	139.93
25/09/2019	11:00:00	90.6	32.91	14.11	49.95	3909.2	0.94	1021.83	146.27
25/09/2019	12:00:00	91.13	29.2	14.11	50.04	3883.1	0.95	999.81	143.09
25/09/2019	13:00:00	91.3	28.76	14.12	50.12	3866.3	0.95	996.18	142.57
25/09/2019	14:00:00	91.17	32.47	14.12	49.92	3896.1	0.94	1022.04	146.56
25/09/2019	15:00:00	91.02	31.83	14.11	49.89	3893.5	0.94	1018.62	146.07
25/09/2019	16:00:00	91.2	31.53	14.12	50.11	3890	0.94	1012.5	145.17
25/09/2019	17:00:00	90.68	28.88	14.12	50.07	3838.4	0.95	995.3	142.46
25/09/2019	18:00:00	91.14	23.95	14.13	50.08	3793.5	0.97	968.24	138.3
25/09/2019	19:00:00	91.35	28.79	14.13	50.17	3846	0.95	995.34	142.4
25/09/2019	20:00:00	90.93	25.65	14.14	50.17	3793.9	0.96	974.77	139.33
25/09/2019	21:00:00	89.96	22.05	14.14	49.99	3722.9	0.97	953.09	136.06
25/09/2019	22:00:00	90.7	19.79	14.13	50.12	3738.4	0.98	941.04	134.18
25/09/2019	23:00:00	90.32	22.36	14.13	49.91	3761.8	0.97	958.17	136.62
26/09/2019	0:00:00	91.04	21.25	14.12	50.03	3791.9	0.97	952.77	135.85
26/09/2019	1:00:00	90.99	18.34	14.12	50.1	3763.3	0.98	934.65	133.12
26/09/2019	2:00:00	89.87	16.48	14.13	49.84	3698.9	0.98	923.68	131.33
26/09/2019	3:00:00	91.18	12.81	14.13	50.27	3726.3	0.99	901.99	128.15
26/09/2019	4:00:00	91.14	8.35	14.06	50.12	3718.9	1	879.01	124.71
26/09/2019	5:00:00	91.67	9.87	14.06	49.75	3742.8	0.99	896.24	127.16
26/09/2019	6:00:00	90.73	9.89	14.06	49.94	3700.7	0.99	888.33	125.96
26/09/2019	7:00:00	89.85	13.75	14.07	50.04	3684.9	0.99	904.02	128.29
26/09/2019	8:00:00	90.26	24.97	14.04	49.93	3819.7	0.96	970.56	138.36
26/09/2019	9:00:00	90.43	28.09	14.14	50.25	3820	0.95	985.92	140.92
26/09/2019	10:00:00	90	33.97	14.16	50.15	3871.8	0.93	1022.21	146.6
26/09/2019	11:00:00	91.05	35.19	14.16	49.85	3928	0.93	1041.5	149.71
26/09/2019	12:00:00	91.14	34.77	14.17	50.04	3926.2	0.93	1035.84	148.92
26/09/2019	13:00:00	88.59	38.48	14.21	49.68	3857.4	0.92	1055.33	151.85
26/09/2019	14:00:00	88.27	42.69	14.21	49.9	3905.7	0.9	1075.36	155.06
26/09/2019	15:00:00	88.58	39.34	14.21	50.22	3865.2	0.91	1047.94	150.92

26/09/2019	16:00:00	90.32	35.78	14.21	50.08	3885.1	0.93	1037.03	149.15
26/09/2019	17:00:00	89.57	31.41	14.22	50.18	3793.5	0.94	1004.71	144.15
26/09/2019	18:00:00	90.91	30.68	14.22	49.94	3834.4	0.95	1011.78	145.02
26/09/2019	19:00:00	90.83	30.31	14.23	49.83	3817.1	0.95	1011.16	144.9
26/09/2019	20:00:00	90.4	30.37	14.23	49.89	3801.6	0.95	1008.26	144.48
26/09/2019	21:00:00	89.21	29.02	14.23	50.07	3739.6	0.95	990.52	141.81
26/09/2019	22:00:00	85.2	27.74	14.23	50.18	3579.2	0.95	962.57	137.5
26/09/2019	23:00:00	85.3	26.88	14.23	49.96	3575.5	0.95	961.93	137.27
27/09/2019	0:00:00	85.51	25.92	14.23	50.26	3578.5	0.96	950.38	135.51
27/09/2019	1:00:00	85.02	25.13	14.22	50.02	3555.8	0.96	948.48	135.15
27/09/2019	2:00:00	84.74	24.33	14.22	49.98	3545.7	0.96	943.55	134.36
27/09/2019	3:00:00	85.21	21.8	14.22	50.29	3536.3	0.97	924.36	131.49
27/09/2019	4:00:00	84.87	20.58	14.23	50.18	3508.7	0.97	917.71	130.43
27/09/2019	5:00:00	84.29	21.43	14.23	50	3494	0.97	923.85	131.31
27/09/2019	6:00:00	84.97	22.21	14.23	50.11	3524.3	0.97	929.18	132.11
27/09/2019	7:00:00	88.12	25.45	14.22	49.76	3681	0.96	970.25	138.2
27/09/2019	8:00:00	90.24	30.98	14.21	50.17	3841.4	0.95	1005.07	143.69
27/09/2019	9:00:00	89.37	28.18	14.22	50.39	3766.9	0.95	980.26	140.11
27/09/2019	10:00:00	89.41	36.91	14.21	50.24	3905.3	0.92	1037.49	148.92
27/09/2019	11:00:00	88.98	40.64	14.2	49.91	3951	0.91	1066.48	153.45
27/09/2019	12:00:00	86.75	38.39	14.2	50.07	3833.1	0.91	1038.71	149.19
27/09/2019	13:00:00	86.03	37.79	14.21	50.26	3792.4	0.91	1027.77	147.62
27/09/2019	14:00:00	86.18	40.35	14.21	50.2	3830	0.9	1045.45	150.39
27/09/2019	15:00:00	85.93	40.12	14.21	50.04	3813.4	0.91	1047.21	150.73
27/09/2019	16:00:00	85	39.39	14.21	50.13	3769.3	0.91	1036.35	148.98
27/09/2019	17:00:00	85.33	34.39	14.21	50.3	3701.8	0.93	1002.33	143.7
27/09/2019	18:00:00	84.93	32.94	14.22	49.96	3661.3	0.93	999.22	143.07
27/09/2019	19:00:00	85.08	28.71	14.23	49.9	3594.3	0.95	974.28	139.17
27/09/2019	20:00:00	85.83	26.24	14.23	50.05	3598.6	0.96	959.61	136.92
27/09/2019	21:00:00	84.9	23.09	14.2	50.12	3540.5	0.96	934.82	133.23
27/09/2019	22:00:00	84.61	16.89	14.08	50.13	3498.8	0.98	893.56	126.97
27/09/2019	23:00:00	82.67	17.17	14.08	50.03	3441.6	0.98	888.58	126.16
28/09/2019	0:00:00	82.3	22.13	14.07	50.18	3483.1	0.97	912.39	129.68
28/09/2019	1:00:00	82.07	21.25	14.07	50.01	3462.4	0.97	909.32	129.16
28/09/2019	2:00:00	81.93	19.08	14.07	50.18	3433.3	0.97	892.23	126.62
28/09/2019	3:00:00	82.17	19.52	14.07	50.03	3454	0.97	898.98	127.56
28/09/2019	4:00:00	82.12	19.44	14.07	50.07	3457.9	0.97	897.73	127.35
28/09/2019	5:00:00	82.07	19.16	14.07	49.93	3442	0.97	897.83	127.35
28/09/2019	6:00:00	81.79	18.05	14.08	50	3410.7	0.98	888.41	125.95
28/09/2019	7:00:00	81.93	17.97	14.07	50.04	3423.4	0.98	888.77	125.93
28/09/2019	8:00:00	84.35	23.56	14.06	50.23	3578.7	0.96	929.22	132.07

28/09/2019	9:00:00	83.86	24.01	14.07	50.28	3555.8	0.96	928.45	132.09
28/09/2019	10:00:00	81.94	34.3	14.17	49.79	3609.4	0.92	998.18	142.39
28/09/2019	11:00:00	77.21	37.54	14.24	49.99	3469.9	0.9	997.39	142.73
28/09/2019	12:00:00	59.92	33.49	14.25	50.22	2783.5	0.87	899.66	127.89
28/09/2019	13:00:00	49.5	33.23	14.25	49.96	2425.1	0.83	871.33	123.55
28/09/2019	14:00:00	42.54	34.68	14.26	50.18	2229.1	0.77	855.33	121
28/09/2019	15:00:00	60.06	34.28	14.25	50.04	2790.8	0.87	908.8	129
28/09/2019	16:00:00	65.71	29.2	14.25	50.27	2895.5	0.91	890.47	126.34
28/09/2019	17:00:00	64.91	29.42	14.25	49.81	2864.7	0.91	899.21	127.56
28/09/2019	18:00:00	65.01	17.02	14.12	49.92	2721.9	0.97	811.33	114.5
28/09/2019	19:00:00	64.93	17.66	14.13	50.01	2707.7	0.96	811.98	114.53
28/09/2019	20:00:00	65.04	8	14.04	50.03	2645.4	0.99	751.03	105.65
28/09/2019	21:00:00	65	9.16	14.03	50.06	2654.9	0.99	756.77	106.45
28/09/2019	22:00:00	64.32	12.31	14.02	50.1	2676.5	0.98	772.99	108.75
28/09/2019	23:00:00	64.78	17.57	14.01	49.94	2753.8	0.96	809.15	114.02
29/09/2019	0:00:00	65.05	16.03	14.01	50.02	2758.4	0.97	799.76	112.65
29/09/2019	1:00:00	64.99	15.44	14.01	50.02	2750.5	0.97	795.86	112.11
29/09/2019	2:00:00	65.04	13.28	14.01	50.28	2731.7	0.98	777.61	109.47
29/09/2019	3:00:00	64.96	12.58	14.01	50.12	2724	0.98	775.9	109.18
29/09/2019	4:00:00	64.95	11.74	14.01	49.92	2719.9	0.98	775	109
29/09/2019	5:00:00	64.96	11.45	14.01	50.2	2712.6	0.98	767.76	108.01
29/09/2019	6:00:00	65.07	14.17	14.01	50.05	2748.9	0.98	787.26	110.77
29/09/2019	7:00:00	65.41	14.82	14	50.16	2774	0.97	791.43	111.45
29/09/2019	8:00:00	68.96	20.53	14.05	50.04	2969.6	0.96	845.53	119.3
29/09/2019	9:00:00	69.89	22.58	14.05	49.94	3035	0.95	865.72	122.39
29/09/2019	10:00:00	69.98	26.28	14.09	50.1	3076.1	0.94	887.2	125.69
29/09/2019	11:00:00	69.93	27.53	14.09	49.81	3083.5	0.93	901.08	127.84
29/09/2019	12:00:00	69.8	26.23	14.1	50.07	3051.8	0.94	886.83	125.83
29/09/2019	13:00:00	70.08	20.04	14.11	50.14	2974.1	0.96	848.76	120.21
29/09/2019	14:00:00	75.07	20.11	14.11	50.16	3153.2	0.97	869.31	123.33
29/09/2019	15:00:00	79.84	20.47	14.1	50.12	3336.6	0.97	892.92	126.87
29/09/2019	16:00:00	81.63	21.03	14.1	50.02	3416	0.97	906.74	128.92
29/09/2019	17:00:00	90.42	18.05	14.1	50.25	3725.5	0.98	927.32	132.17
29/09/2019	18:00:00	91.15	16.8	14.11	49.98	3741.1	0.98	929.15	132.38
29/09/2019	19:00:00	90.52	19.8	14.11	50.1	3736.5	0.98	940.56	134.19
29/09/2019	20:00:00	90.79	15.97	14.11	50.01	3717.8	0.98	921.87	131.31
29/09/2019	21:00:00	91.98	14.72	14.11	50.09	3763.1	0.99	919.84	131.02
29/09/2019	22:00:00	90.66	20.71	14.08	50.06	3769.5	0.97	946.55	134.93
29/09/2019	23:00:00	89.47	21.25	14.07	50.06	3745.5	0.97	944.19	134.73
30/09/2019	0:00:00	89.78	17.16	14.08	50.3	3710.5	0.98	917.29	130.71
30/09/2019	1:00:00	90.29	14.57	14.03	50	3724.8	0.99	909.93	129.51

30/09/2019	2:00:00	89.37	15.48	14.03	50.2	3696.7	0.98	906.61	129
30/09/2019	3:00:00	90.4	19.26	14.02	49.87	3780	0.98	939.18	133.87
30/09/2019	4:00:00	90.17	17.67	14.02	49.82	3760.7	0.98	930.16	132.46
30/09/2019	5:00:00	89.92	18.76	14.02	50.08	3759	0.98	929.62	132.31
30/09/2019	6:00:00	89.79	21.14	14.02	49.83	3765.6	0.97	946.65	134.89
30/09/2019	7:00:00	90.27	21.77	14.02	50.01	3788.2	0.97	949.37	135.3
30/09/2019	8:00:00	90.37	17.2	14.02	50.05	3738.9	0.98	923.14	131.45
30/09/2019	9:00:00	89.42	25.64	14.17	49.87	3747.8	0.96	975.23	139.13
30/09/2019	10:00:00	90.9	27.34	14.17	49.8	3811.1	0.96	992.99	141.95
30/09/2019	11:00:00	90.4	27.01	14.17	50.08	3790.4	0.96	983.73	140.63
30/09/2019	12:00:00	88.64	27.08	14.17	50.01	3717	0.96	976.95	139.55
30/09/2019	13:00:00	89.17	29.87	14.17	50	3775.7	0.95	997.03	142.77
30/09/2019	14:00:00	89.76	34.24	14.16	49.93	3857.9	0.93	1027.62	147.67
30/09/2019	15:00:00	90.07	32.77	14.16	50.05	3844.1	0.94	1017.21	146.1
30/09/2019	16:00:00	88.44	32.77	14.17	49.98	3781.3	0.94	1011.49	145.15
30/09/2019	17:00:00	88.98	25.42	14.17	50.24	3706.5	0.96	964.32	137.95
30/09/2019	18:00:00	90.24	25.5	14.18	49.98	3753	0.96	975.84	139.56
30/09/2019	19:00:00	89.59	25.74	14.18	50.06	3735.5	0.96	972.92	139.07
30/09/2019	20:00:00	89.9	23.13	14.18	50.07	3719.1	0.97	958.75	136.92
30/09/2019	21:00:00	76.07	20.97	14.19	50.07	3165.2	0.96	883.52	125.56
30/09/2019	22:00:00	70.23	12.04	14.1	50.09	2879	0.99	799.62	112.93
30/09/2019	23:00:00	65.44	15.6	14.07	50.01	2726.4	0.97	800.31	113
01/10/2019	0:00:00	59.99	13.47	14.07	50.16	2492.9	0.98	760.8	107.12
01/10/2019	1:00:00	60.85	12.73	14.07	49.92	2530.6	0.98	764.64	107.53
01/10/2019	2:00:00	62.06	11.46	14.07	50.12	2568.3	0.98	757.78	106.62
01/10/2019	3:00:00	61.8	10.02	14.07	50.18	2547.8	0.99	746.83	105
01/10/2019	4:00:00	61.92	8.18	14.07	50.14	2543.4	0.99	737.28	103.65
01/10/2019	5:00:00	62.15	8.06	14.07	50.28	2544.9	0.99	734.59	103.23
01/10/2019	6:00:00	64.21	10.34	14.07	49.96	2638.1	0.99	762.79	107.21
01/10/2019	7:00:00	69.94	13.59	14.06	49.88	2904.2	0.98	809.96	114.1
01/10/2019	8:00:00	70.01	18.11	14.06	50.08	2946.2	0.97	833.74	117.65
01/10/2019	9:00:00	70.12	20.59	14.06	49.85	2968.7	0.96	853.73	120.6
01/10/2019	10:00:00	59.91	22.65	14.12	50.09	2590.4	0.93	822.2	116.03
01/10/2019	11:00:00	60.1	24.45	14.11	49.9	2625	0.93	839.1	118.45
01/10/2019	12:00:00	60.09	21.33	14.12	50.22	2575	0.94	811.8	114.44
01/10/2019	13:00:00	59.81	23.33	14.11	49.91	2599.1	0.93	830.75	117.06
01/10/2019	14:00:00	59.92	25.38	14.11	49.94	2622.1	0.92	843.05	119.06
01/10/2019	15:00:00	60.06	23.78	14.11	50.05	2602.9	0.93	830.87	117.29
01/10/2019	16:00:00	60.01	24.37	14.11	50.13	2616.7	0.93	833.53	117.74
01/10/2019	17:00:00	59.98	18.15	14.12	50.25	2533.3	0.96	790.87	111.47
01/10/2019	18:00:00	60.01	17.18	14.13	50.02	2516	0.96	789.63	111.18

01/10/2019	19:00:00	59.95	19.34	14.13	50.03	2528.4	0.95	802.35	112.98
01/10/2019	20:00:00	66.82	16.91	14.13	50.02	2765.1	0.97	814.75	114.83
01/10/2019	21:00:00	70.23	13.22	14.13	50.17	2870.3	0.98	804.73	113.53
01/10/2019	22:00:00	80.2	9.35	14.13	50.09	3240.4	0.99	830.96	117.31
01/10/2019	23:00:00	91.21	14.33	14.12	50.06	3702.3	0.99	911.99	129.47
02/10/2019	0:00:00	89.62	15.05	14.11	49.94	3640.5	0.99	910.54	129.3
02/10/2019	1:00:00	90.08	15.27	14.11	49.83	3681.5	0.99	916.68	130.21
02/10/2019	2:00:00	90.2	16.64	14.1	50.24	3701.1	0.98	917.17	130.35
02/10/2019	3:00:00	89.96	16.53	14.1	50	3691	0.98	919.57	130.75
02/10/2019	4:00:00	89.74	15.74	14.1	49.83	3685.3	0.98	917.93	130.45
02/10/2019	5:00:00	89.14	15.78	14.11	49.97	3654.3	0.98	912.15	129.57
02/10/2019	6:00:00	89.3	17.66	14.11	50.2	3660.7	0.98	918.26	130.5
02/10/2019	7:00:00	88.05	20.03	14.1	49.81	3653.7	0.97	934.54	132.91
02/10/2019	8:00:00	90.1	18.04	14.1	50.1	3711.2	0.98	927.79	131.89
02/10/2019	9:00:00	91.33	23.46	14.1	50.02	3805.2	0.97	966.15	137.8
02/10/2019	10:00:00	90.31	23.39	14.1	50.02	3751.4	0.97	961.07	137.11
02/10/2019	11:00:00	91.14	24.78	14.1	50.1	3807.2	0.96	971.96	138.82
02/10/2019	12:00:00	90.46	24.27	14.1	50.22	3784.8	0.97	963.5	137.62
02/10/2019	13:00:00	89.8	26.27	14.1	50.03	3775.2	0.96	975.47	139.35
02/10/2019	14:00:00	89.86	30.96	14.09	49.84	3839.8	0.94	1007.81	144.43
02/10/2019	15:00:00	90.7	31.83	14.09	50.14	3893.2	0.94	1010.94	145.05
02/10/2019	16:00:00	90.16	31.83	14.09	50.08	3874.1	0.94	1009.83	144.91
02/10/2019	17:00:00	90.96	28.52	14.09	49.98	3852.4	0.95	995.41	142.62
02/10/2019	18:00:00	90.6	25.53	14.1	49.97	3793.1	0.96	975.82	139.54
02/10/2019	19:00:00	91.24	25.68	14.11	50.03	3820.6	0.96	978.5	139.87
02/10/2019	20:00:00	90.82	23.8	14.11	50.05	3787	0.97	965.15	137.82
02/10/2019	21:00:00	90.87	22.04	14.11	49.96	3773.4	0.97	957.07	136.52
02/10/2019	22:00:00	90.89	17.79	14.11	49.99	3748	0.98	932.82	132.86
02/10/2019	23:00:00	91.21	16.7	14.1	50.15	3755.5	0.98	925.18	131.7
03/10/2019	0:00:00	89.81	21.94	14.09	50.03	3763.2	0.97	950.57	135.43
03/10/2019	1:00:00	90	21.25	14.09	50.04	3765.2	0.97	946.87	134.93
03/10/2019	2:00:00	90.21	20.31	14.09	49.99	3772.8	0.98	944.09	134.5
03/10/2019	3:00:00	89.85	17.88	14.09	50.09	3738.2	0.98	926.27	131.78
03/10/2019	4:00:00	89.99	17.92	14.09	49.8	3752.9	0.98	933.23	132.72
03/10/2019	5:00:00	89.97	13.4	14.1	49.81	3701.2	0.99	907.08	128.76
03/10/2019	6:00:00	93.96	12.65	14.1	50.21	3831.8	0.99	914.69	129.99
03/10/2019	7:00:00	89.7	14.34	14.09	50.2	3688.7	0.99	903.91	128.33
03/10/2019	8:00:00	89.81	21.11	14.09	50.24	3765.1	0.97	942.07	134.08
03/10/2019	9:00:00	90.03	25.4	14.08	49.89	3816.4	0.96	974.92	139.06
03/10/2019	10:00:00	90.12	25.86	14.14	50.31	3811.4	0.96	971.21	138.65
03/10/2019	11:00:00	90.86	28.51	14.13	49.9	3869	0.95	998.89	142.89

03/10/2019	12:00:00	90.51	29.12	14.14	49.86	3862	0.95	1001.67	143.34
03/10/2019	13:00:00	90.22	28.66	14.14	49.87	3830.2	0.95	996.82	142.63
03/10/2019	14:00:00	89.81	28.49	14.15	49.81	3790.8	0.95	994.12	142.23
03/10/2019	15:00:00	91.04	26.97	14.15	50.08	3822.3	0.96	985.71	141.07
03/10/2019	16:00:00	90.43	23.58	14.1	50.29	3789.5	0.97	957.9	136.99
03/10/2019	17:00:00	90.01	21.71	14.1	50.14	3746.9	0.97	947.59	135.5
03/10/2019	18:00:00	90.09	19.33	14.11	50.01	3730.2	0.98	937.65	133.88
03/10/2019	19:00:00	90.92	16.84	14.11	50.04	3732.3	0.98	926.51	132.21
03/10/2019	20:00:00	91.31	16.77	14.11	50	3740.7	0.98	929.03	132.55
03/10/2019	21:00:00	90.5	15.06	14.11	50.07	3704.8	0.99	914.44	130.35
03/10/2019	22:00:00	90.8	13.82	14.11	49.89	3706.8	0.99	912.12	129.96
03/10/2019	23:00:00	91.39	19.2	14.1	50.12	3773.8	0.98	939.66	134.13
04/10/2019	0:00:00	88.66	17.44	14.1	49.85	3657.6	0.98	921.9	131.39
04/10/2019	1:00:00	90.8	17.1	14.15	50.3	3735.7	0.98	923.8	131.65
04/10/2019	2:00:00	91.16	16.2	14.14	50.34	3754.1	0.98	919.93	131.14
04/10/2019	3:00:00	90.94	19	14.14	50.07	3765.9	0.98	938.84	133.94
04/10/2019	4:00:00	89.76	18.02	14.12	49.91	3719.6	0.98	929.97	132.63
04/10/2019	5:00:00	89.65	19.47	14.12	49.85	3723.6	0.98	938.78	133.86
04/10/2019	6:00:00	91.11	22.31	14.12	50	3791.3	0.97	957.86	136.76
04/10/2019	7:00:00	91.07	23.78	14.12	50.27	3804.8	0.97	960.94	137.29
04/10/2019	8:00:00	90.7	30.61	14.11	49.9	3881.2	0.95	1007.48	144.32
04/10/2019	9:00:00	90.9	26.17	14.16	50.3	3812.8	0.96	976.12	139.62
04/10/2019	10:00:00	91.08	31.05	14.16	49.91	3884.9	0.95	1014.21	145.48
04/10/2019	11:00:00	90.17	30.55	14.16	50.02	3842.9	0.95	1005.47	144.35
04/10/2019	12:00:00	90.04	28.22	14.16	50.17	3809.1	0.95	987.98	141.78
04/10/2019	13:00:00	90.35	29	14.16	50.04	3830.9	0.95	997.14	143.18
04/10/2019	14:00:00	91.1	31.06	14.16	50	3876.8	0.95	1013.44	145.81
04/10/2019	15:00:00	89.81	25.69	14.07	50	3779.7	0.96	972.37	139.52
04/10/2019	16:00:00	90.86	24.27	14.07	50.09	3803.5	0.97	966.92	138.58
04/10/2019	17:00:00	91.19	21.43	14.07	50.14	3789.6	0.97	951.18	136.11
04/10/2019	18:00:00	90.34	19.28	14.08	49.96	3735	0.98	938.87	134.11
04/10/2019	19:00:00	90.7	19	14.09	50.09	3736.1	0.98	935.83	133.62
04/10/2019	20:00:00	91	17.38	14.09	50.04	3730.9	0.98	928.74	132.52
04/10/2019	21:00:00	91.44	15.21	14.09	50.09	3736.7	0.99	918.16	130.93
04/10/2019	22:00:00	91.56	12.52	14.08	50.17	3732.9	0.99	902.87	128.63
04/10/2019	23:00:00	80.01	12.07	14.09	50	3275.1	0.99	847.07	120.22
05/10/2019	0:00:00	79.43	14.92	14	50.19	3306.7	0.98	854.23	121.18
05/10/2019	1:00:00	80.08	12.31	14.01	50.12	3305.1	0.99	843.15	119.48
05/10/2019	2:00:00	79.63	11.12	14.01	50.1	3277.8	0.99	834.61	118.22
05/10/2019	3:00:00	80.52	12.46	14	50.1	3334.2	0.99	846.95	119.96
05/10/2019	4:00:00	79.65	10.51	14	50.3	3295.5	0.99	828.58	117.32

05/10/2019	5:00:00	87.33	11.8	14	49.86	3622.1	0.99	881.37	125.08
05/10/2019	6:00:00	90.1	13.44	13.99	50.05	3733.3	0.99	900.5	128.08
05/10/2019	7:00:00	89.86	13.7	13.99	49.91	3731.5	0.99	904.23	128.61
05/10/2019	8:00:00	90.89	21.05	13.98	49.85	3847.6	0.97	952.35	135.89
05/10/2019	9:00:00	90.51	27.05	14.02	49.79	3879.8	0.96	987.44	141.23
05/10/2019	10:00:00	90.3	33.19	14.02	49.82	3954	0.94	1023.2	146.81
05/10/2019	11:00:00	90	31.41	14.03	50.25	3907.6	0.94	1002.2	143.9
05/10/2019	12:00:00	90.97	32.17	14.03	50.16	3961	0.94	1013.6	145.73
05/10/2019	13:00:00	90.39	33.18	14.02	50.15	3952.6	0.94	1017.61	146.45
05/10/2019	14:00:00	91.05	35.53	14.02	50.09	4003.8	0.93	1035.91	149.26
05/10/2019	15:00:00	90.69	33.84	14.02	50.13	3962.1	0.94	1022.2	147.2
05/10/2019	16:00:00	90.91	32.6	14.02	50.15	3953.8	0.94	1015.19	146.09
05/10/2019	17:00:00	90.31	26.87	14.03	50.1	3839	0.96	978.6	140.44
05/10/2019	18:00:00	89.96	26.53	14.05	49.91	3800.8	0.96	977.9	140.19
05/10/2019	19:00:00	91.83	26.12	14.05	49.99	3859.1	0.96	982.32	140.73
05/10/2019	20:00:00	91.13	21.97	14.06	50.13	3790.5	0.97	952.73	136.25
05/10/2019	21:00:00	91.19	17.36	14.06	50.14	3754	0.98	926.9	132.27
05/10/2019	22:00:00	90.87	14.44	14.06	50.19	3729.4	0.99	908.79	129.66
05/10/2019	23:00:00	90.76	14.26	14.05	50.12	3729.3	0.99	908.18	129.46
06/10/2019	0:00:00	91.14	13.78	14.05	50.15	3750.4	0.99	906.91	129.2
06/10/2019	1:00:00	91.03	9.86	14.05	50.12	3714.6	0.99	885.57	125.96
06/10/2019	2:00:00	91.09	7.55	14.05	50.24	3711.1	1	872.61	124.02
06/10/2019	3:00:00	90.89	12.85	14.05	50.01	3747.7	0.99	904.48	128.73
06/10/2019	4:00:00	89.64	16.3	14.04	49.66	3736.8	0.98	924.2	131.61
06/10/2019	5:00:00	89.98	14.5	14.05	50.13	3722	0.99	905.97	128.96
06/10/2019	6:00:00	89.96	15.28	14.04	49.99	3734.7	0.99	913.47	130.06
06/10/2019	7:00:00	90.52	18.02	14.03	49.82	3781.4	0.98	934.41	133.13
06/10/2019	8:00:00	91.01	16.89	14.04	50.15	3786.8	0.98	924.4	131.76
06/10/2019	9:00:00	91.1	23.26	14.03	50.16	3862.6	0.97	961.29	137.37
06/10/2019	10:00:00	90.62	22.87	14.04	49.83	3821.1	0.97	963.21	137.67
06/10/2019	11:00:00	91.37	23.55	14.04	50.23	3853	0.97	962.65	137.68
06/10/2019	12:00:00	91.04	24.46	14.03	49.9	3849.5	0.97	972.68	139.16
06/10/2019	13:00:00	90.7	22.91	14.04	50.3	3816.1	0.97	954.69	136.54
06/10/2019	14:00:00	90.42	24.78	14.04	50.39	3828.2	0.96	962.74	137.92
06/10/2019	15:00:00	91.16	26.58	14.03	49.89	3893.2	0.96	987.54	141.68
06/10/2019	16:00:00	91.03	24.3	14.03	50.1	3853.6	0.97	968.98	138.93
06/10/2019	17:00:00	91.12	23.5	14.04	50.1	3847.4	0.97	964.75	138.25
06/10/2019	18:00:00	91.24	20.61	14.05	50.02	3807	0.98	949.65	135.87
06/10/2019	19:00:00	90.93	17.82	14.06	50.12	3766.5	0.98	930.26	132.85
06/10/2019	20:00:00	91.82	16.8	14.06	50.09	3792	0.98	929.49	132.72
06/10/2019	21:00:00	90.98	16.03	14.05	50.09	3758.9	0.98	921.26	131.41

06/10/2019	22:00:00	91.12	16.86	14.05	50.19	3773.1	0.98	924.35	131.88
06/10/2019	23:00:00	89.78	17.87	14.04	49.87	3745.8	0.98	929.75	132.6
07/10/2019	0:00:00	90.94	20.03	14.04	50.31	3812.1	0.98	938.68	133.98