

## Calb CA-180 Cell Charge and capacity figures at 0.3C

Time(m:s)	voltage(V)	current(mA)	Charge Amps	charging capacity(mAH)	Capacity A/hrs	Engery(mWh)	Stored (Watts) per cell
00:00.0	3.0437	54017.8	54.02	0	0	0	0
00:29.0	3.0983	54017.8	54.02	435.1	0.4351	1338.2	1.3382
00:59.0	3.129	54017.8	54.02	885.3	0.8853	2739.7	2.7397
01:29.0	3.1529	54024	54.02	1335.5	1.3355	4153.7	4.1537
01:59.0	3.1736	54024	54.02	1785.6	1.7856	5577.3	5.5773
02:29.0	3.1928	54017.8	54.02	2235.8	2.2358	7010.2	7.0102
02:59.0	3.2083	54024	54.02	2685.9	2.6859	8451.3	8.4513
03:29.0	3.2226	54017.8	54.02	3136.1	3.1361	9898.6	9.8986
03:59.0	3.2347	54024	54.02	3586.3	3.5863	11352.1	11.3521
04:30.0	3.2493	54024	54.02	4051.5	4.0515	12860.6	12.8606
04:59.0	3.2617	54017.8	54.02	4486.6	4.4866	14277	14.277
05:29.0	3.2738	54024	54.02	4936.8	4.9368	15748.2	15.7482
05:59.0	3.2862	54017.8	54.02	5387	5.387	17224.8	17.2248
06:29.0	3.2945	54024	54.02	5837.2	5.8372	18706.3	18.7063
06:59.0	3.3035	54017.8	54.02	6287.3	6.2873	20191.1	20.1911
07:29.0	3.3128	54024	54.02	6737.5	6.7375	21680.8	21.6808
07:59.0	3.3237	54024	54.02	7187.7	7.1877	23174.5	23.1745
08:30.0	3.3342	54024	54.02	7652.9	7.6529	24723.3	24.7233
09:00.0	3.3386	54024	54.02	8103.1	8.1031	26225.4	26.2254
09:29.0	3.3482	54024	54.02	8538.3	8.5383	27680	27.68
09:59.0	3.3528	54024	54.02	8988.5	8.9885	29188.4	29.1884
10:29.0	3.3603	54024	54.02	9438.7	9.4387	30698.5	30.6985
10:59.0	3.3658	54024	54.02	9888.8	9.8888	32212.8	32.2128
11:29.0	3.3727	54024	54.02	10339	10.339	33729.5	33.7295
11:59.0	3.3754	54017.8	54.02	10789.2	10.7892	35248.1	35.2481
12:29.0	3.3795	54017.8	54.02	11239.4	11.2394	36768.7	36.7687
12:59.0	3.3826	54036.4	54.04	11689.6	11.6896	38290.3	38.2903
13:29.0	3.3851	54017.8	54.02	12139.7	12.1397	39813.7	39.8137
13:59.0	3.3841	54017.8	54.02	12589.9	12.5899	41336.9	41.3369

14:29.0	3.3878	54024	54.02	13040.1	13.0401	42860.8	42.8608
14:59.0	3.3863	54024	54.02	13490.3	13.4903	44385.3	44.3853
15:29.0	3.3844	54024	54.02	13940.5	13.9405	45908.9	45.9089
15:59.0	3.3854	54017.8	54.02	14390.7	14.3907	47432.9	47.4329
16:29.0	3.3878	54024	54.02	14840.9	14.8409	48957.7	48.9577
16:59.0	3.3878	54017.8	54.02	15291.1	15.2911	50482.9	50.4829
17:30.0	3.3875	54024	54.02	15756.3	15.7563	52058.9	52.0589
17:59.0	3.3891	54024	54.02	16191.5	16.1915	53533.4	53.5334
18:30.0	3.3894	54024	54.02	16656.6	16.6566	55110	55.11
18:59.0	3.3894	54017.8	54.02	17091.8	17.0918	56585.1	56.5851
19:29.0	3.3906	54017.8	54.02	17542	17.542	58111	58.111
19:59.0	3.3906	54024	54.02	17992.2	17.9922	59637.3	59.6373
20:29.0	3.3931	54024	54.02	18442.5	18.4425	61164.2	61.1642
20:59.0	3.3925	54030.2	54.03	18892.7	18.8927	62691.4	62.6914
21:29.0	3.3947	54024	54.02	19342.9	19.3429	64219.3	64.2193
22:00.0	3.395	54024	54.02	19808.1	19.8081	65798.4	65.7984
22:29.0	3.3965	54024	54.02	20243.3	20.2433	67275.9	67.2759
22:59.0	3.3968	54024	54.02	20693.5	20.6935	68805.2	68.8052
23:29.0	3.3962	54024	54.02	21143.7	21.1437	70334.9	70.3349
23:59.0	3.3944	54024	54.02	21593.9	21.5939	71864.3	71.8643
24:29.0	3.4018	54030.2	54.03	22044.1	22.0441	73394.2	73.3942
24:58.0	3.4006	54024	54.02	22479.3	22.4793	74874	74.874
25:29.0	3.4024	54024	54.02	22944.5	22.9445	76456.1	76.4561
25:58.0	3.4052	54030.2	54.03	23379.7	23.3797	77936.9	77.9369
26:28.0	3.408	54024	54.02	23829.9	23.8299	79469.3	79.4693
26:58.0	3.403	54030.2	54.03	24280.1	24.2801	81002.9	81.0029
27:28.0	3.4058	54024	54.02	24730.4	24.7304	82536.2	82.5362
27:58.0	3.4058	54030.2	54.03	25180.6	25.1806	84068.7	84.0687
28:28.0	3.4024	54030.2	54.03	25630.8	25.6308	85602	85.602
28:58.0	3.4033	54024	54.02	26081	26.081	87135.8	87.1358
29:28.0	3.4052	54030.2	54.03	26531.2	26.5312	88669.9	88.6699
29:58.0	3.4099	54024	54.02	26981.4	26.9814	90204.3	90.2043
30:28.0	3.4086	54024	54.02	27431.7	27.4317	91738.9	91.7389
30:58.0	3.412	54030.2	54.03	27881.9	27.8819	93274.2	93.2742
31:28.0	3.4117	54024	54.02	28332.1	28.3321	94810.4	94.8104

31:58.0	3.4126	54024	54.02	28782.3	28.7823	96346.8	96.3468
32:28.0	3.4161	54024	54.02	29232.5	29.2325	97884.3	97.8843
32:59.0	3.417	54024	54.02	29697.7	29.6977	99473.5	99.4735
33:28.0	3.4176	54024	54.02	30132.9	30.1329	100960.9	100.9609
33:58.0	3.4198	54024	54.02	30583.1	30.5831	102500.2	102.5002
34:28.0	3.4216	54024	54.02	31033.4	31.0334	104040.2	104.0402
34:59.0	3.4235	54030.2	54.03	31498.6	31.4986	105632.7	105.6327
35:28.0	3.4275	54030.2	54.03	31933.8	31.9338	107123.6	107.1236
35:59.0	3.4272	54024	54.02	32399	32.399	108718.4	108.7184
36:28.0	3.4257	54024	54.02	32834.2	32.8342	110210.7	110.2107
36:58.0	3.4309	54024	54.02	33284.4	33.2844	111754.5	111.7545
37:28.0	3.4322	54024	54.02	33734.6	33.7346	113298.8	113.2988
37:58.0	3.4334	54024	54.02	34184.9	34.1849	114844.4	114.8444
38:28.0	3.4359	54024	54.02	34635.1	34.6351	116390.7	116.3907
38:58.0	3.4371	54030.2	54.03	35085.3	35.0853	117937.9	117.9379
39:28.0	3.4378	54030.2	54.03	35535.5	35.5355	119485.5	119.4855
39:58.0	3.4402	54024	54.02	35985.7	35.9857	121033.8	121.0338
40:28.0	3.4396	54030.2	54.03	36436	36.436	122582.5	122.5825
40:58.0	3.4415	54024	54.02	36886.2	36.8862	124131.4	124.1314
41:28.0	3.4424	54024	54.02	37336.4	37.3364	125681.2	125.6812
41:58.0	3.4433	54030.2	54.03	37786.6	37.7866	127231.5	127.2315
42:28.0	3.444	54030.2	54.03	38236.8	38.2368	128781.4	128.7814
42:59.0	3.4452	54024	54.02	38702.1	38.7021	130383.8	130.3838
43:28.0	3.4474	54024	54.02	39137.3	39.1373	131883.5	131.8835
43:58.0	3.4471	54030.2	54.03	39587.5	39.5875	133435.4	133.4354
44:29.0	3.4495	54024	54.02	40052.8	40.0528	135039.5	135.0395
44:58.0	3.4505	54024	54.02	40488	40.488	136540.4	136.5404
45:29.0	3.4489	54024	54.02	40953.2	40.9532	138145.1	138.1451
45:58.0	3.4486	54024	54.02	41388.4	41.3884	139646.4	139.6464
46:28.0	3.4511	54024	54.02	41838.6	41.8386	141199.4	141.1994
46:59.0	3.4508	54024	54.02	42303.9	42.3039	142805	142.805
47:28.0	3.4613	54024	54.02	42739.1	42.7391	144307.6	144.3076
47:58.0	3.4545	54030.2	54.03	43189.3	43.1893	145863.3	145.8633
48:28.0	3.4588	54024	54.02	43639.5	43.6395	147419.1	147.4191
48:58.0	3.4548	54030.2	54.03	44089.7	44.0897	148975.2	148.9752

49:28.0	3.4567	54024	54.02	44539.9	44.5399	150530.8	150.5308
49:58.0	3.4588	54024	54.02	44990.2	44.9902	152087.9	152.0879
50:28.0	3.4638	54024	54.02	45440.4	45.4404	153647.1	153.6471
50:59.0	3.4588	54030.2	54.03	45905.6	45.9056	155257.1	155.2571
51:28.0	3.4616	54024	54.02	46340.8	46.3408	156763.2	156.7632
51:59.0	3.4635	54030.2	54.03	46806	46.806	158374	158.374
52:28.0	3.4632	54024	54.02	47241.2	47.2412	159881	159.881
52:58.0	3.4638	54024	54.02	47691.5	47.6915	161440.2	161.4402
53:28.0	3.4697	54017.8	54.02	48141.7	48.1417	163001.7	163.0017
53:58.0	3.466	54024	54.02	48591.9	48.5919	164562.1	164.5621
54:28.0	3.4669	54030.2	54.03	49042.1	49.0421	166122.8	166.1228
54:58.0	3.4681	54024	54.02	49492.3	49.4923	167684.4	167.6844
55:28.0	3.4685	54024	54.02	49942.6	49.9426	169246.1	169.2461
55:58.0	3.4737	54024	54.02	50392.8	50.3928	170809.2	170.8092
56:28.0	3.4706	54024	54.02	50843	50.843	172371.2	172.3712
56:59.0	3.4753	54030.2	54.03	51308.2	51.3082	173986.8	173.9868
57:29.0	3.4709	54024	54.02	51758.4	51.7584	175550.1	175.5501
57:58.0	3.4719	54030.2	54.03	52193.6	52.1936	177060.9	177.0609
58:29.0	3.4728	54024	54.02	52658.9	52.6589	178676.3	178.6763
58:58.0	3.4734	54024	54.02	53094.1	53.0941	180187.6	180.1876
59:28.0	3.475	54024	54.02	53544.3	53.5443	181751.8	181.7518
59:58.0	3.4756	54030.2	54.03	53994.5	53.9945	183316.6	183.3166
00:28.0	3.4781	54024	54.02	54444.7	54.4447	184882.4	184.8824
00:59.0	3.4781	54024	54.02	54910	54.91	186500.9	186.5009
01:27.0	3.4781	54024	54.02	55330.2	55.3302	187963	187.963
01:57.0	3.4787	54024	54.02	55780.4	55.7804	189528.9	189.5289
02:27.0	3.479	54030.2	54.03	56230.6	56.2306	191094.9	191.0949
02:57.0	3.4781	54030.2	54.03	56680.8	56.6808	192661.7	192.6617
03:27.0	3.4778	54024	54.02	57131.1	57.1311	194227.3	194.2273
03:57.0	3.4784	54030.2	54.03	57581.3	57.5813	195793.1	195.7931
04:27.0	3.4787	54030.2	54.03	58031.5	58.0315	197358.8	197.3588
04:57.0	3.4805	54024	54.02	58481.7	58.4817	198925.3	198.9253
05:27.0	3.4867	54030.2	54.03	58932	58.932	200492.8	200.4928
05:58.0	3.4821	54030.2	54.03	59397.2	59.3972	202113.5	202.1135
06:27.0	3.4824	54030.2	54.03	59832.4	59.8324	203629	203.629

06:57.0	3.4843	54030.2	54.03	60282.6	60.2826	205197.7	205.1977
07:28.0	3.4858	54024	54.02	60747.9	60.7479	206819.2	206.8192
07:58.0	3.4843	54024	54.02	61198.1	61.1981	208388.1	208.3881
08:28.0	3.4895	54030.2	54.03	61648.3	61.6483	209958.5	209.9585
08:57.0	3.4895	54024	54.02	62083.5	62.0835	211477.3	211.4773
09:27.0	3.4898	54030.2	54.03	62533.8	62.5338	213048.9	213.0489
09:57.0	3.4914	54024	54.02	62984	62.984	214620.7	214.6207
10:27.0	3.4917	54030.2	54.03	63434.2	63.4342	216192.7	216.1927
10:57.0	3.4914	54024	54.02	63884.4	63.8844	217764.6	217.7646
11:28.0	3.4929	54030.2	54.03	64349.6	64.3496	219389.4	219.3894
11:57.0	3.4917	54024	54.02	64784.9	64.7849	220909.3	220.9093
12:27.0	3.4929	54024	54.02	65235.1	65.2351	222481.3	222.4813
12:58.0	3.4895	54030.2	54.03	65700.3	65.7003	224105.5	224.1055
13:27.0	3.4892	54024	54.02	66135.5	66.1355	225624.2	225.6242
13:58.0	3.4914	54030.2	54.03	66600.8	66.6008	227248.1	227.2481
14:27.0	3.4911	54030.2	54.03	67036	67.036	228767.9	228.7679
14:57.0	3.4954	54030.2	54.03	67486.2	67.4862	230340.9	230.3409
15:28.0	3.4902	54030.2	54.03	67951.4	67.9514	231965	231.965
15:57.0	3.4908	54024	54.02	68386.7	68.3867	233484.1	233.4841
16:27.0	3.4914	54024	54.02	68836.9	68.8369	235055.7	235.0557
16:58.0	3.4929	54030.2	54.03	69302.1	69.3021	236680.4	236.6804
17:27.0	3.4942	54030.2	54.03	69737.3	69.7373	238201	238.201
17:58.0	3.496	54024	54.02	70202.6	70.2026	239827.5	239.8275
18:28.0	3.4954	54030.2	54.03	70652.8	70.6528	241401.2	241.4012
18:57.0	3.4964	54024	54.02	71088	71.088	242922.5	242.9225
19:28.0	3.5001	54024	54.02	71553.2	71.5532	244550.8	244.5508
19:57.0	3.4936	54030.2	54.03	71988.5	71.9885	246072.1	246.0721
20:27.0	3.4954	54030.2	54.03	72438.7	72.4387	247645.6	247.6456
20:57.0	3.4945	54024	54.02	72888.9	72.8889	249219.3	249.2193
21:27.0	3.4951	54024	54.02	73339.1	73.3391	250794.1	250.7941
21:57.0	3.4957	54024	54.02	73789.4	73.7894	252368	252.368
22:27.0	3.4945	54024	54.02	74239.6	74.2396	253942.8	253.9428
22:58.0	3.4945	54024	54.02	74704.8	74.7048	255569.4	255.5694
23:27.0	3.4951	54036.4	54.04	75140	75.14	257090.2	257.0902
23:57.0	3.4957	54024	54.02	75590.3	75.5903	258664	258.664

24:27.0	3.5007	54017.8	54.02	76040.5	76.0405	260238.8	260.2388
24:58.0	3.501	54024	54.02	76505.7	76.5057	261868	261.868
25:27.0	3.4995	54024	54.02	76940.9	76.9409	263391.3	263.3913
25:57.0	3.5019	54024	54.02	77391.1	77.3911	264967.5	264.9675
26:27.0	3.5007	54024	54.02	77841.3	77.8413	266543.4	266.5434
26:57.0	3.4991	54024	54.02	78291.5	78.2915	268120.6	268.1206
27:27.0	3.4995	54024	54.02	78741.7	78.7417	269696.2	269.6962
27:56.0	3.4973	54024	54.02	79176.8	79.1768	271218.5	271.2185
28:26.0	3.497	54024	54.02	79627	79.627	272793	272.793
28:56.0	3.4982	54017.8	54.02	80077.2	80.0772	274367.9	274.3679
29:26.0	3.4988	54017.8	54.02	80527.4	80.5274	275943	275.943
29:57.0	3.4991	54024	54.02	80992.6	80.9926	277570.8	277.5708
30:27.0	3.5004	54030.2	54.03	81442.8	81.4428	279147.9	279.1479
30:56.0	3.501	54024	54.02	81878	81.878	280670.5	280.6705
31:26.0	3.5001	54017.8	54.02	82328.2	82.3282	282245.6	282.2456
31:56.0	3.4982	54024	54.02	82778.4	82.7784	283821.2	283.8212
32:26.0	3.5038	54024	54.02	83228.6	83.2286	285396.9	285.3969
32:56.0	3.4998	54024	54.02	83678.8	83.6788	286974.1	286.9741
33:27.0	3.4995	54024	54.02	84144	84.144	288602.3	288.6023
33:55.0	3.5004	54024	54.02	84564.2	84.5642	290072.6	290.0726
34:25.0	3.5066	54024	54.02	85014.4	85.0144	291650.3	291.6503
34:55.0	3.4954	54024	54.02	85464.6	85.4646	293226.4	293.2264
35:26.0	3.497	54024	54.02	85929.8	85.9298	294852.7	294.8527
35:55.0	3.4979	54024	54.02	86365	86.365	296374.4	296.3744
36:26.0	3.4985	54024	54.02	86830.2	86.8302	298003.5	298.0035
36:55.0	3.5019	54024	54.02	87265.4	87.2654	299527.3	299.5273
37:26.0	3.4967	54024	54.02	87730.6	87.7306	301154	301.154
37:55.0	3.4982	54017.8	54.02	88165.8	88.1658	302676.6	302.6766
38:25.0	3.4985	54024	54.02	88616	88.616	304251.5	304.2515
38:55.0	3.496	54024	54.02	89066.2	89.0662	305825.4	305.8254
39:25.0	3.5004	54024	54.02	89516.4	89.5164	307399.6	307.3996
39:55.0	3.4964	54024	54.02	89966.6	89.9666	308974.7	308.9747
40:25.0	3.5022	54024	54.02	90416.7	90.4167	310549.4	310.5494
40:55.0	3.5029	54030.2	54.03	90866.9	90.8669	312125	312.125
41:25.0	3.4995	54024	54.02	91317.1	91.3171	313700.9	313.7009

41:56.0	3.4991	54024	54.02	91782.3	91.7823	315329.4	315.3294
42:25.0	3.5032	54030.2	54.03	92217.5	92.2175	316852.9	316.8529
42:55.0	3.4982	54017.8	54.02	92667.7	92.6677	318428.3	318.4283
43:25.0	3.4998	54024	54.02	93117.9	93.1179	320004.1	320.0041
43:56.0	3.5029	54017.8	54.02	93583.1	93.5831	321632.6	321.6326
44:25.0	3.5004	54024	54.02	94018.3	94.0183	323155.9	323.1559
44:56.0	3.5044	54024	54.02	94483.5	94.4835	324785.1	324.7851
45:25.0	3.505	54024	54.02	94918.7	94.9187	326309.2	326.3092
45:56.0	3.5004	54024	54.02	95383.9	95.3839	327937.6	327.9376
46:25.0	3.5013	54017.8	54.02	95819.1	95.8191	329461	329.461
46:55.0	3.5032	54024	54.02	96269.2	96.2692	331037.4	331.0374
47:25.0	3.5053	54024	54.02	96719.4	96.7194	332614.3	332.6143
47:55.0	3.5026	54024	54.02	97169.6	97.1696	334191.2	334.1912
48:25.0	3.5013	54030.2	54.03	97619.8	97.6198	335767.5	335.7675
48:55.0	3.5013	54024	54.02	98070	98.07	337343.6	337.3436
49:25.0	3.5041	54017.8	54.02	98520.1	98.5201	338920.3	338.9203
49:55.0	3.501	54024	54.02	98970.3	98.9703	340497.4	340.4974
50:25.0	3.5032	54017.8	54.02	99420.5	99.4205	342074.9	342.0749
50:55.0	3.5029	54017.8	54.02	99870.7	99.8707	343652	343.652
51:26.0	3.5047	54017.8	54.02	100336	100.336	345281.9	345.2819
51:55.0	3.5038	54017.8	54.02	100771	100.771	346807.3	346.8073
52:25.0	3.5029	54017.8	54.02	101221	101.221	348384.3	348.3843
52:56.0	3.5029	54017.8	54.02	101686	101.686	350013.8	350.0138
53:25.0	3.5019	54024	54.02	102122	102.122	351538.1	351.5381
53:55.0	3.5022	54017.8	54.02	102572	102.572	353114.6	353.1146
54:26.0	3.5016	54024	54.02	103037	103.037	354743.4	354.7434
54:55.0	3.5032	54017.8	54.02	103472	103.472	356267.5	356.2675
55:25.0	3.5032	54011.6	54.01	103922	103.922	357843.9	357.8439
55:55.0	3.5029	54017.8	54.02	104372	104.372	359420.7	359.4207
56:25.0	3.5038	54017.8	54.02	104823	104.823	360997.8	360.9978
56:55.0	3.5041	54017.8	54.02	105273	105.273	362574.9	362.5749
57:25.0	3.505	54017.8	54.02	105723	105.723	364152.1	364.1521
57:55.0	3.5032	54017.8	54.02	106173	106.173	365729.1	365.7291
58:25.0	3.5047	54017.8	54.02	106623	106.623	367306.3	367.3063
58:55.0	3.5026	54017.8	54.02	107073	107.073	368883.2	368.8832

59:25.0	3.5016	54017.8	54.02	107524	107.524	370459.8	370.4598
59:55.0	3.5029	54017.8	54.02	107974	107.974	372036.8	372.0368
00:25.0	3.5035	54017.8	54.02	108424	108.424	373613.2	373.6132
00:55.0	3.5035	54017.8	54.02	108874	108.874	375190.2	375.1902
01:24.0	3.5047	54011.6	54.01	109309	109.309	376714.8	376.7148
01:54.0	3.5072	54024	54.02	109759	109.759	378292.4	378.2924
02:24.0	3.5044	54017.8	54.02	110209	110.209	379870.6	379.8706
02:54.0	3.5063	54017.8	54.02	110660	110.66	381448.3	381.4483
03:24.0	3.5041	54017.8	54.02	111110	111.11	383025.7	383.0257
03:55.0	3.5047	54011.6	54.01	111575	111.575	384655.9	384.6559
04:24.0	3.501	54017.8	54.02	112010	112.01	386180.4	386.1804
04:54.0	3.4985	54017.8	54.02	112460	112.46	387756.1	387.7561
05:24.0	3.4995	54017.8	54.02	112910	112.91	389331.6	389.3316
05:54.0	3.5016	54017.8	54.02	113360	113.36	390907.3	390.9073
06:24.0	3.5026	54017.8	54.02	113811	113.811	392483.4	392.4834
06:54.0	3.4998	54017.8	54.02	114261	114.261	394059.4	394.0594
07:24.0	3.5019	54017.8	54.02	114711	114.711	395635.5	395.6355
07:53.0	3.5038	54017.8	54.02	115146	115.146	397159	397.159
08:23.0	3.5038	54017.8	54.02	115596	115.596	398735.9	398.7359
08:53.0	3.5019	54017.8	54.02	116046	116.046	400312.7	400.3127
09:23.0	3.5019	54017.8	54.02	116496	116.496	401889.3	401.8893
09:53.0	3.501	54017.8	54.02	116947	116.947	403465.3	403.4653
10:23.0	3.5022	54017.8	54.02	117397	117.397	405041.6	405.0416
10:53.0	3.5022	54011.6	54.01	117847	117.847	406618.6	406.6186
11:23.0	3.5038	54017.8	54.02	118297	118.297	408195.4	408.1954
11:53.0	3.5041	54017.8	54.02	118747	118.747	409772.5	409.7725
12:24.0	3.5019	54017.8	54.02	119212	119.212	411402.2	411.4022
12:53.0	3.5029	54017.8	54.02	119647	119.647	412926.1	412.9261
13:23.0	3.5038	54017.8	54.02	120098	120.098	414503.4	414.5034
13:53.0	3.5072	54011.6	54.01	120548	120.548	416081.9	416.0819
14:23.0	3.5057	54017.8	54.02	120998	120.998	417660.2	417.6602
14:53.0	3.5078	54017.8	54.02	121448	121.448	419238.9	419.2389
15:23.0	3.5078	54017.8	54.02	121898	121.898	420818.3	420.8183
15:53.0	3.5084	54011.6	54.01	122348	122.348	422398	422.398
16:23.0	3.5091	54017.8	54.02	122798	122.798	423977.1	423.9771



16:52.0	3.5115	54017.8	54.02	123233	123.233	425504.6	425.5046
17:22.0	3.51	54017.8	54.02	123684	123.684	427085.3	427.0853
17:52.0	3.5069	54011.6	54.01	124134	124.134	428665.2	428.6652
18:22.0	3.51	54017.8	54.02	124584	124.584	430245	430.245
18:53.0	3.5069	54017.8	54.02	125049	125.049	431877.5	431.8775
19:23.0	3.5106	54017.8	54.02	125499	125.499	433457	433.457
19:52.0	3.5084	54011.6	54.01	125934	125.934	434985.1	434.9851
20:22.0	3.5156	54017.8	54.02	126384	126.384	436565.7	436.5657
20:52.0	3.5115	54017.8	54.02	126835	126.835	438146.8	438.1468
21:23.0	3.5115	54011.6	54.01	127300	127.3	439779.7	439.7797
21:52.0	3.5119	54017.8	54.02	127735	127.735	441307.7	441.3077
22:23.0	3.5137	54017.8	54.02	128200	128.2	442941	442.941
22:52.0	3.5109	54011.6	54.01	128635	128.635	444469.7	444.4697
23:22.0	3.514	54017.8	54.02	129085	129.085	446051.4	446.0514
23:52.0	3.514	54017.8	54.02	129535	129.535	447632.8	447.6328
24:23.0	3.5156	54017.8	54.02	130000	130	449267.5	449.2675
24:52.0	3.5165	54011.6	54.01	130436	130.436	450797.8	450.7978
25:22.0	3.5165	54017.8	54.02	130886	130.886	452380.8	452.3808
25:52.0	3.5159	54017.8	54.02	131336	131.336	453962.6	453.9626
26:22.0	3.5202	54017.8	54.02	131786	131.786	455546.3	455.5463
26:52.0	3.5199	54017.8	54.02	132236	132.236	457130	457.13
27:22.0	3.5208	54017.8	54.02	132686	132.686	458714.5	458.7145
27:52.0	3.5181	54017.8	54.02	133136	133.136	460299.1	460.2991
28:22.0	3.5202	54024	54.02	133587	133.587	461883.5	461.8835
28:52.0	3.5193	54011.6	54.01	134037	134.037	463468.6	463.4686
29:22.0	3.5212	54017.8	54.02	134487	134.487	465052.8	465.0528
29:52.0	3.5181	54017.8	54.02	134937	134.937	466636.8	466.6368
30:22.0	3.5224	54017.8	54.02	135387	135.387	468221.6	468.2216
30:52.0	3.5202	54017.8	54.02	135837	135.837	469807.3	469.8073
31:22.0	3.5233	54017.8	54.02	136287	136.287	471392.1	471.3921
31:52.0	3.5224	54017.8	54.02	136738	136.738	472976.6	472.9766
32:23.0	3.5255	54011.6	54.01	137203	137.203	474615.1	474.6151
32:52.0	3.5221	54017.8	54.02	137638	137.638	476148.1	476.1481
33:23.0	3.5199	54017.8	54.02	138103	138.103	477786.4	477.7864
33:52.0	3.519	54017.8	54.02	138538	138.538	479318.7	479.3187

34:22.0	3.5227	54011.6	54.01	138988	138.988	480903.3	480.9033
34:52.0	3.5205	54011.6	54.01	139438	139.438	482489	482.489
35:23.0	3.5224	54017.8	54.02	139904	139.904	484127.6	484.1276
35:52.0	3.5215	54011.6	54.01	140339	140.339	485660.1	485.6601
36:22.0	3.5255	54017.8	54.02	140789	140.789	487245.8	487.2458
36:52.0	3.5208	54017.8	54.02	141239	141.239	488831.1	488.8311
37:22.0	3.5227	54017.8	54.02	141689	141.689	490416.4	490.4164
37:51.0	3.5239	54017.8	54.02	142124	142.124	491950.3	491.9503
38:21.0	3.5233	54017.8	54.02	142574	142.574	493536.9	493.5369
38:51.0	3.5233	54017.8	54.02	143025	143.025	495122.8	495.1228
39:21.0	3.5243	54017.8	54.02	143475	143.475	496709.2	496.7092
39:52.0	3.5274	54017.8	54.02	143940	143.94	498349	498.349
40:21.0	3.5258	54017.8	54.02	144375	144.375	499884	499.884
40:51.0	3.5255	54017.8	54.02	144825	144.825	501471.2	501.4712
41:21.0	3.5255	54017.8	54.02	145275	145.275	503058.3	503.0583
41:51.0	3.5264	54017.8	54.02	145726	145.726	504645.7	504.6457
42:21.0	3.5274	54017.8	54.02	146176	146.176	506233.2	506.2332
42:51.0	3.5252	54017.8	54.02	146626	146.626	507820.4	507.8204
43:21.0	3.5258	54017.8	54.02	147076	147.076	509407.8	509.4078
43:52.0	3.5243	54017.8	54.02	147541	147.541	511047.3	511.0473
44:21.0	3.5236	54017.8	54.02	147976	147.976	512580.8	512.5808
44:52.0	3.5233	54017.8	54.02	148441	148.441	514220	514.22
45:22.0	3.5267	54017.8	54.02	148892	148.892	515806.8	515.8068
45:51.0	3.5289	54017.8	54.02	149327	149.327	517341.2	517.3412
46:21.0	3.5239	54011.6	54.01	149777	149.777	518929	518.929
46:51.0	3.5243	54011.6	54.01	150227	150.227	520515.5	520.5155
47:22.0	3.528	54017.8	54.02	150692	150.692	522156.3	522.1563
47:51.0	3.5261	54011.6	54.01	151127	151.127	523691.8	523.6918
48:21.0	3.5283	54017.8	54.02	151577	151.577	525280	525.28
48:51.0	3.5277	54017.8	54.02	152028	152.028	526868.1	526.8681
49:21.0	3.5283	54017.8	54.02	152478	152.478	528456.4	528.4564
49:51.0	3.5267	54017.8	54.02	152928	152.928	530044.2	530.0442
50:21.0	3.5283	54017.8	54.02	153378	153.378	531632.2	531.6322
50:51.0	3.5286	54017.8	54.02	153828	153.828	533220.9	533.2209
51:22.0	3.527	54017.8	54.02	154293	154.293	534862.7	534.8627

51:51.0	3.5292	54024	54.02	154728	154.728	536398.3	536.3983
52:21.0	3.527	54024	54.02	155179	155.179	537986.7	537.9867
52:51.0	3.532	54017.8	54.02	155629	155.629	539575.1	539.5751
53:21.0	3.5292	54024	54.02	156079	156.079	541163.7	541.1637
53:51.0	3.5305	54017.8	54.02	156529	156.529	542752.6	542.7526
54:21.0	3.5308	54024	54.02	156979	156.979	544342.1	544.3421
54:51.0	3.5295	54011.6	54.01	157429	157.429	545931.5	545.9315
55:22.0	3.5283	54017.8	54.02	157895	157.895	547573.1	547.5731
55:51.0	3.5298	54017.8	54.02	158330	158.33	549109	549.109
56:22.0	3.5292	54011.6	54.01	158795	158.795	550750.8	550.7508
56:51.0	3.5305	54011.6	54.01	159230	159.23	552286.7	552.2867
57:21.0	3.5292	54017.8	54.02	159680	159.68	553875.6	553.8756
57:51.0	3.5298	54017.8	54.02	160130	160.13	555464.3	555.4643
58:22.0	3.5292	54017.8	54.02	160595	160.595	557105.9	557.1059
58:51.0	3.5301	54017.8	54.02	161031	161.031	558641.8	558.6418
59:21.0	3.5329	54017.8	54.02	161481	161.481	560231.2	560.2312
59:52.0	3.5305	54017.8	54.02	161946	161.946	561873.7	561.8737
00:20.0	3.5314	54017.8	54.02	162366	162.366	563357.4	563.3574
00:50.0	3.5301	54017.8	54.02	162816	162.816	564946.6	564.9466
01:20.0	3.5311	54011.6	54.01	163266	163.266	566536	566.536
01:51.0	3.5329	54024	54.02	163731	163.731	568179.1	568.1791
02:20.0	3.5332	54017.8	54.02	164167	164.167	569716.5	569.7165
02:50.0	3.5329	54017.8	54.02	164617	164.617	571307	571.307
03:20.0	3.5329	54017.8	54.02	165067	165.067	572897.4	572.8974
03:50.0	3.532	54017.8	54.02	165517	165.517	574487.6	574.4876
04:20.0	3.5317	54017.8	54.02	165967	165.967	576077.2	576.0772
04:50.0	3.5332	54017.8	54.02	166417	166.417	577667.5	577.6675
05:20.0	3.5367	54017.8	54.02	166868	166.868	579258.9	579.2589
05:50.0	3.5382	54017.8	54.02	167318	167.318	580851.2	580.8512
06:21.0	3.5379	54017.8	54.02	167783	167.783	582496.7	582.4967
06:50.0	3.5354	54017.8	54.02	168218	168.218	584035.5	584.0355
07:20.0	3.5373	54017.8	54.02	168668	168.668	585627	585.627
07:50.0	3.536	54017.8	54.02	169118	169.118	587219	587.219
08:20.0	3.537	54017.8	54.02	169568	169.568	588811.2	588.8112
08:50.0	3.5379	54017.8	54.02	170019	170.019	590404	590.404

09:20.0	3.5376	54017.8	54.02	170469	170.469	591996.9	591.9969
09:50.0	3.5373	54017.8	54.02	170919	170.919	593589.5	593.5895
10:20.0	3.5388	54017.8	54.02	171369	171.369	595182.1	595.1821
10:50.0	3.5376	54017.8	54.02	171819	171.819	596774.8	596.7748
11:20.0	3.537	54017.8	54.02	172269	172.269	598367.3	598.3673
11:50.0	3.5367	54017.8	54.02	172720	172.72	599959.9	599.9599
12:20.0	3.537	54017.8	54.02	173170	173.17	601552.2	601.5522
12:50.0	3.5394	54017.8	54.02	173620	173.62	603144.7	603.1447
13:21.0	3.5404	54017.8	54.02	174085	174.085	604791.1	604.7911
13:50.0	3.5391	54024	54.02	174520	174.52	606331.4	606.3314
14:20.0	3.5385	54017.8	54.02	174970	174.97	607924.3	607.9243
14:50.0	3.5413	54017.8	54.02	175420	175.42	609518	609.518
15:21.0	3.5425	54017.8	54.02	175886	175.886	611165.2	611.1652
15:50.0	3.5419	54017.8	54.02	176321	176.321	612707	612.707
16:20.0	3.5435	54024	54.02	176771	176.771	614302	614.302
16:50.0	3.5444	54017.8	54.02	177221	177.221	615897.4	615.8974
17:20.0	3.5425	54024	54.02	177671	177.671	617492.5	617.4925
17:50.0	3.5444	54017.8	54.02	178121	178.121	619088	619.088
18:20.0	3.5456	54017.8	54.02	178572	178.572	620683.6	620.6836
18:50.0	3.5481	54017.8	54.02	179022	179.022	622280.1	622.2801
19:20.0	3.5522	54017.8	54.02	179472	179.472	623877.8	623.8778
19:51.0	3.5506	54011.6	54.01	179937	179.937	625529.6	625.5296
20:20.0	3.5518	54017.8	54.02	180372	180.372	627074.1	627.0741
20:51.0	3.5491	54011.6	54.01	180837	180.837	628725.4	628.7254
21:20.0	3.5509	54017.8	54.02	181272	181.272	630270.3	630.2703
21:50.0	3.55	54017.8	54.02	181723	181.723	631868.8	631.8688
22:21.0	3.5531	54011.6	54.01	182188	182.188	633521	633.521
22:51.0	3.5537	54017.8	54.02	182638	182.638	635120.2	635.1202
23:20.0	3.5562	54017.8	54.02	183073	183.073	636667	636.667
23:50.0	3.5571	54017.8	54.02	183523	183.523	638268.1	638.2681
24:20.0	3.5602	54017.8	54.02	183973	183.973	639869.7	639.8697
24:50.0	3.5627	54017.8	54.02	184423	184.423	641472.6	641.4726
25:20.0	3.5646	54011.6	54.01	184874	184.874	643076.7	643.0767
25:51.0	3.5673	54011.6	54.01	185339	185.339	644735	644.735
26:21.0	3.5714	54017.8	54.02	185789	185.789	646341.8	646.3418

26:50.0	3.5732	54017.8	54.02	186224	186.224	647896.4	647.8964
27:21.0	3.5785	54017.8	54.02	186689	186.689	649560.1	649.5601
27:50.0	3.5872	54017.8	54.02	187124	187.124	651118.6	651.1186
28:20.0	3.5897	54017.8	54.02	187574	187.574	652733.1	652.7331
28:50.0	3.5993	54017.8	54.02	188024	188.024	654351.5	654.3515
29:20.0	3.6086	54017.8	54.02	188475	188.475	655974.2	655.9742
29:50.0	3.6166	54017.8	54.02	188925	188.925	657600.7	657.6007
30:20.0	3.6315	54017.8	54.02	189375	189.375	659232	659.232
30:50.0	3.6483	54017.8	54.02	189825	189.825	660869.9	660.8699
30:55.0	3.6501	54017.8	54.02	189900	189.9	661143.7	661.1437