

Table 1 CSK DataSet

ID	Day	Month	Year	Perpendicular Baseline [m]
0	07	12	2013	-605.9
1	23	12	2013	-509.2
2	08	01	2014	12.60
3	16	01	2014	160.8
4	24	01	2014	225.0
5	01	02	2014	-606.6
6	09	02	2014	84.37
7	17	02	2014	-706.8
8	05	03	2014	-958.4
9	21	03	2014	-1021.4
10	29	03	2014	-377.0
11	06	04	2014	-603.468
12	14	04	2014	511.5
13	22	04	2014	0
14	30	04	2014	-863.3
15	08	05	2014	564.5
16	16	05	2014	372.5
17	01	06	2014	133.5
18	09	06	2014	712.9
19	25	06	2014	-586.1
20	03	07	2014	-1168.7
21	29	09	2014	-1167.6
22	07	10	2014	-668.2
23	15	10	2014	-410.0
24	23	10	2014	152.0
25	31	10	2014	-727.3
26	08	11	2014	329.4
27	24	11	2014	-780.0
28	02	12	2014	-924.2
29	10	12	2014	51.2
30	18	12	2014	242.8
31	26	12	2014	-216.3
32	03	01	2015	583.3
33	12	01	2015	379.9
34	19	01	2015	-989.2
35	27	01	2015	-1064.6
36	04	02	2015	-479.8
37	20	02	2015	-773.7
38	28	02	2015	-185.1
39	17	03	2015	147.4
40	08	09	2015	-693.8
41	16	09	2015	-187.7
42	24	09	2015	88.8
43	02	10	2015	-1017.8
44	10	10	2015	8.67
45	18	10	2015	-34.6
46	11	11	2015	169.3
47	19	11	2015	-153.9
48	28	11	2015	-895.8

49	13	12	2015	115.2
50	29	12	2015	-1133.1
51	06	01	2016	-86.8
52	14	01	2016	-299.6
53	22	01	2016	18.8
54	30	01	2016	-863.4
55	07	02	2016	-269.2
56	15	02	2016	-141.0
57	23	02	2016	-474.2
58	02	03	2016	-681.6
59	10	03	2016	249.9
60	18	03	2016	353.5

Table II S1-A Dataset

ID	Day	Month	Year	Perpendicular Baseline [m]
0	26	02	2015	127.3
1	22	03	2015	46.8
2	15	04	2015	117.6
3	09	05	2015	7.9
4	08	07	2015	106.5
5	01	08	2015	59.3
6	25	08	2015	-24.9
7	18	09	2015	37.6
8	29	11	2015	35.3
9	23	12	2015	142.8
10	16	01	2016	33.6
11	09	02	2016	114.2
12	04	03	2016	0
13	28	03	2016	-13.4
14	21	04	2016	78.4
15	15	05	2016	-4.5
16	08	06	2016	54.5
17	26	07	2016	15.9
18	19	08	2016	61.1
19	12	09	2016	14.0
20	06	10	2016	42.7
21	18	10	2016	102.6
22	30	10	2016	85.6
23	11	11	2016	52.8
24	23	11	2016	14.0
25	05	12	2016	10.2
26	17	12	2016	38.7
27	29	12	2016	59.8
28	22	01	2017	69.6
29	03	02	2017	49.6
30	15	02	2017	72.0
31	27	02	2017	102.2
32	04	04	2017	9.7