

num	year	mo	day	hour	min	Lbda (km)	sd	Per (min)	sd	speed (m/s)	sd	Azim (°)
1	2017	3	4	2	5	21.5	0.6	16.5	0.9	21.7	0.9	165.4
2	2017	3	4	2	57	24.8	1.5	11.3	1.2	36.6	3.2	194
3	2017	3	4	4	56	12.7	0.1	12.9	1.2	16.5	1.5	333.4
4	2017	3	27	1	25	20.9	1	32.1	2.4	10.8	0.6	258.2
5	2017	3	27	2	8	26.5	0.8	20.9	1.3	21.1	1.1	291.3
6	2017	3	31	2	51	25.6	0.3	37.4	2.5	11.4	0.8	306.9
7	2017	3	31	5	11	28.9	2.3	17.8	2.2	27	2.5	222.7
8	2017	4	23	6	22	26.9	1.5	8.3	0.7	54.3	3.8	183
9	2017	4	23	22	49	23.9	0.2	13.1	0.6	30.5	1.3	322.6
10	2017	4	24	1	7	22.8	1.3	9.9	0.9	38.5	2.8	20.9
11	2017	4	24	4	27	16	0.9	15.1	2.1	17.6	2.3	93.6
12	2017	4	24	5	18	28.4	1	36.6	1.9	12.9	0.5	289.4
13	2017	4	24	7	13	15.7	0.6	12.7	0.9	20.6	1.2	242.7
14	2017	4	24	22	37	27.9	0.6	21.8	1.1	21.3	1	299.4
15	2017	4	24	23	10	22.9	0.5	15.5	0.6	24.6	0.7	333.4
16	2017	4	24	23	33	19.6	0.7	12.9	0.8	25.3	1.4	353.4
17	2017	4	25	4	31	20.5	0.8	27	3.7	12.6	1.7	272.3
18	2017	4	25	22	6	30.1	1.8	11.9	1.4	42.3	4.2	180
19	2017	4	25	22	26	25.1	1.5	4.9	0.5	86.2	8.1	191.3
20	2017	4	26	7	6	20.9	1	17.3	1.3	20.1	1.2	191.8
21	2017	4	26	22	32	26.5	0.8	26.9	2.3	16.4	1.3	338.7
22	2017	4	26	23	11	17.2	0	13	0.3	22	0.6	315
23	2017	4	27	8	59	25.1	1	8.4	0.6	49.7	2.8	348.7
24	2017	4	27	8	30	15	0.6	17.7	1.8	14.1	1.3	49.8
25	2017	4	27	22	34	36.8	3.4	12.5	1.9	49	5.9	21
26	2017	4	27	22	31	16.5	1.3	17.4	2.2	15.8	1.5	194.9
27	2017	4	27	23	41	21.9	0.6	10.1	0.7	36.1	2.3	340
28	2017	4	29	2	30	15.6	0.2	13.3	0.7	19.6	1	301.3
29	2017	4	29	3	25	11	0.3	7.1	0.4	25.9	1.3	18.8
30	2017	4	29	3	40	24.8	0.6	20.1	1.2	20.6	1.2	292.8
31	2017	4	29	5	18	40.2	4.5	16.9	3	39.8	5.3	225
32	2017	4	29	5	23	20.1	1.1	13.1	1.1	25.5	1.6	228.2
33	2017	4	29	9	12	15.1	0.6	26.7	2	9.4	0.6	65.7
34	2017	5	2	8	13	28.4	1.5	9.3	1	50.7	5	176.8
35	2017	5	2	9	1	17.6	0.3	8	0.4	36.5	1.8	337.8
36	2017	5	7	7	38	12.1	0	9.5	0.3	21.3	0.7	135
37	2017	5	7	8	58	20.7	1.2	25.5	4.3	13.5	2.1	226.6
38	2017	5	7	9	23	26.7	2	13	1.8	34.1	4.1	38.7
39	2017	5	19	23	57	16.7	0.1	16.6	0.3	16.8	0.3	128.4
40	2017	5	20	0	10	32.8	0.3	21.9	1	25	1.1	309.8
41	2017	5	20	4	22	24.5	1.5	11	1	37.1	2.4	253.3
42	2017	5	20	5	3	26.4	0.3	7.3	0.2	59.8	1	145.5
43	2017	5	20	5	15	27.3	0.7	9.7	0.4	46.7	1.6	295.2
44	2017	5	24	4	12	26.9	1.5	11	1	40.7	3	267

num	year	mo	day	hour	min	Lbda (km)	sd	Per (min)	sd	speed (m/s)	sd	Azim (°)
45	2017	5	24	6	9	34.1	0.5	70.5	4.6	8.1	0.5	306.9
46	2017	5	24	6	10	17.7	0.7	8.4	0.6	35.1	2.1	194
47	2017	5	24	6	51	15.5	0.4	19.6	0.8	13.2	0.4	273.5
48	2017	5	27	9	48	23.7	0.3	8.7	0.2	45.5	0.7	326.3
49	2017	5	27	20	58	26.4	0.3	34.7	2.2	12.7	0.8	325.5
50	2017	5	27	23	32	30.1	0.7	18.8	1.5	26.7	2	298.1
51	2017	5	28	1	37	24.8	0.2	11.7	0.7	35.5	2	320.9
52	2017	5	28	4	19	10.8	0	16.9	0.8	10.7	0.5	143.6
53	2017	5	28	5	36	21.7	1.3	11.4	1	31.7	1.9	233.6
54	2017	5	28	9	36	30.1	2.5	9.8	1.2	51	4.8	40.2
55	2017	5	28	23	24	31.7	1.1	10.9	0.6	48.4	2	338.2
56	2017	5	29	1	18	23.9	0.2	16.7	0.7	23.9	1.1	307.4
57	2017	5	29	1	25	18.2	0.7	11.3	0.9	26.8	1.8	4.1
58	2017	5	29	3	50	18.6	0.8	18.9	1.7	16.4	1.3	259.5
59	2017	5	31	2	53	28.9	1.1	28.9	4.2	16.7	2.3	286.4
60	2017	6	1	2	59	22.6	0	17.8	1.1	21.2	1.3	315
61	2017	5	31	3	55	12.9	0	12	0.1	17.9	0.1	313
62	2017	5	31	5	57	23.1	1.5	17.8	2.8	21.6	3.1	234.2
63	2017	5	31	6	50	20.1	0	6.1	0.3	55.2	2.3	135
64	2017	5	31	8	45	16.4	0.1	11.1	0.4	24.6	0.9	129.8
65	2017	5	31	8	57	33.5	0.7	34.9	4.1	16	1.8	301.6
66	2017	6	2	2	32	26	0.5	5	0.2	85.7	2.3	120.5
67	2017	6	2	3	6	25.3	0.4	12.9	0.9	32.7	2.2	302.9
68	2017	6	2	3	8	18.4	0.9	17.7	1.5	17.3	1.1	232.3
69	2017	6	2	5	33	22	1.3	12.8	1.2	28.6	2.1	205.5
70	2017	6	2	6	23	34.1	3.2	27.2	4.7	21	3.1	216.9
71	2017	6	2	8	44	15	0.6	6.8	0.5	37	2.3	58.2
72	2017	6	2	10	29	37.6	3.9	45.8	9.7	13.7	2.5	54
73	2017	6	23	20	46	32.9	3	9.4	1.9	58.3	10.2	225
74	2017	6	24	1	12	30	1	4.7	0.3	105.2	5.4	290.6
75	2017	6	24	3	15	22.9	1.4	12.4	1.2	30.8	2.3	243.4
76	2017	6	24	3	33	19.7	0.9	8.1	0.7	40.5	2.7	195.6
77	2017	6	24	4	55	28.4	1.5	7.8	0.6	61	3.6	176.8
78	2017	6	24	6	8	28.9	2.3	9.1	1.1	53.3	4.8	222.7
79	2017	6	24	6	19	38.2	1.3	6.8	0.4	93.2	3.8	153.4
80	2017	6	24	8	8	11.9	0.3	22.7	2.7	8.7	1	17.6
81	2017	6	24	21	49	20.3	0.9	5.9	0.4	57.2	3.1	186.8
82	2017	6	26	3	45	18.4	0.8	4.4	0.3	69.5	3.1	255.5
83	2017	6	26	3	54	26.7	2	6.9	0.8	64.4	5.6	231.3
84	2017	6	26	8	8	29.3	2.3	6.4	0.8	76.7	7.1	59
85	2017	6	27	5	10	24.6	1.7	9.1	1	45.1	3.8	234.8
86	2017	6	27	5	3	30.8	0.6	15.1	0.6	33.9	1.3	302.7
87	2017	6	27	7	49	41.4	2.4	17.2	1.5	40.1	2.7	284
88	2017	7	16	23	22	32.4	2.9	6.6	0.9	82.2	8.2	55.3

num	year	mo	day	hour	min	Lbda (km)	sd	Per (min)	sd	speed (m/s)	sd	Azim (°)
89	2017	7	17	5	40	26.1	0.9	20.9	1.9	20.7	1.7	345.3
90	2017	7	18	22	10	35.2	1.6	18.5	1.6	31.6	2.3	285.9
91	2017	7	19	0	22	31.2	2.7	5.6	0.7	93.1	8.1	52.4
92	2017	7	20	21	49	23.2	1.1	7.9	0.6	49.2	2.5	84.8
93	2017	7	20	22	7	29.3	0.6	24.9	2.1	19.6	1.6	301
94	2017	7	21	2	55	26.8	1.2	31.9	2.3	14	0.8	276
95	2017	7	21	3	11	52	2.6	34	4.1	25.5	2.8	294
96	2017	7	21	3	23	15.6	0.3	14.9	0.9	17.4	1	289.5
97	2017	7	21	5	48	29.3	2.2	32.6	4.9	15	1.9	246.4
98	2017	7	21	8	29	39.3	3.2	10.3	1.3	63.5	6.3	85.6
99	2017	7	21	10	32	37.6	0.6	8.2	0.5	76.7	4.6	126
100	2017	7	22	1	41	22.7	0.8	37.3	4.7	10.1	1.2	282.8
101	2017	7	22	6	11	20.8	0.4	6.4	0.4	54.5	3	153.4
102	2017	7	22	3	52	23.8	0.5	9.6	0.4	41.3	1.7	152.2
103	2017	8	10	22	2	25.8	1.8	14.1	1.5	30.4	2.3	229.1
104	2017	8	10	22	20	26.7	2	6.5	0.8	68.8	6.2	51.3
105	2017	8	12	23	21	23.7	0.3	7.4	0.6	53.3	3.9	123.7
106	2017	8	13	1	33	38.4	2.1	14.2	1.3	44.9	3.1	347
107	2017	8	13	2	2	29.9	1.9	20.5	2.8	24.3	2.9	6.7
108	2017	8	13	2	28	28.9	2.3	12.9	4.1	37.5	11.7	47.3
109	2017	8	22	5	9	40	4.4	9.7	1.5	68.9	7.8	218.7
110	2017	8	22	6	13	21.3	0.1	6.6	0.3	53.3	2.5	138.4
111	2017	8	22	8	22	29.3	2.3	7.4	0.9	65.9	5.5	211
112	2017	9	14	23	39	24.1	1.6	8.9	0.9	45.2	3.7	221.2
113	2017	9	15	2	25	31.2	2.7	12.5	1.6	41.8	4.2	217.6
114	2017	9	15	3	46	29.3	2.3	7.5	0.8	65.2	5.2	211
115	2017	9	15	6	7	24.5	0.8	21	1.4	19.5	1.1	163.3
116	2017	9	22	2	22	18.1	0.9	6.1	0.4	49.7	2.7	47.9
117	2017	9	22	2	33	34.1	2.1	9.7	1.2	58.5	6.2	356.2
118	2017	9	22	5	57	19.7	0.7	14.1	0.9	23.3	1.2	177.8
119	2017	9	22	7	17	36.5	2.4	15.9	1.5	38.3	2.5	175.9
120	2017	9	22	6	45	39.9	2.4	7	0.6	94.5	6.2	81
121	2017	10	12	1	27	20.3	0.2	7	0.4	48.6	2.9	326.3
122	2017	10	12	1	27	20	1.1	7.7	0.7	43.2	3.3	59.4