

Raspberry Pi - P-HAB (High-Altitude Balloon)

1. 04 Jun 2014 Balloon Launch
2. 06 Jul 2014 Balloon launch [Detail](#) more photos from sky
3. 13 Jul 2014 Balloon launch [Detail](#) function test fly
4. 20 Jul 2014 Balloon launch [Detail](#) function test fly
5. 27 Jul 2014 Balloon launch [Detail](#) function test fly

5. 27 Jul 2014 Balloon Launch

This is another function test fly, for test cut down function will work in 15000M?

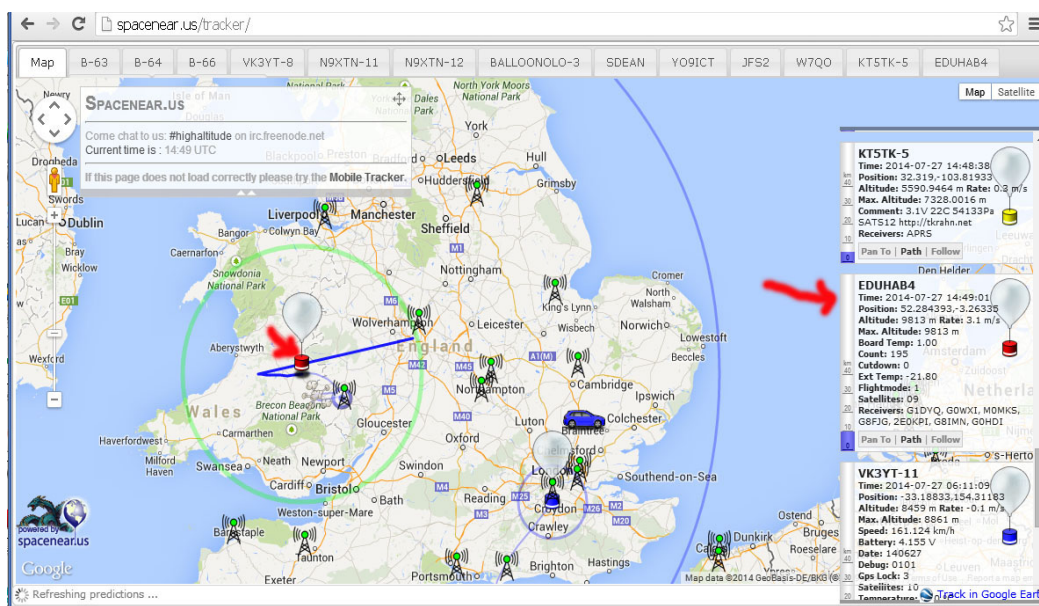
1. The cutdown work at 15000M (software setting, you can change)

Detail information will update soon.

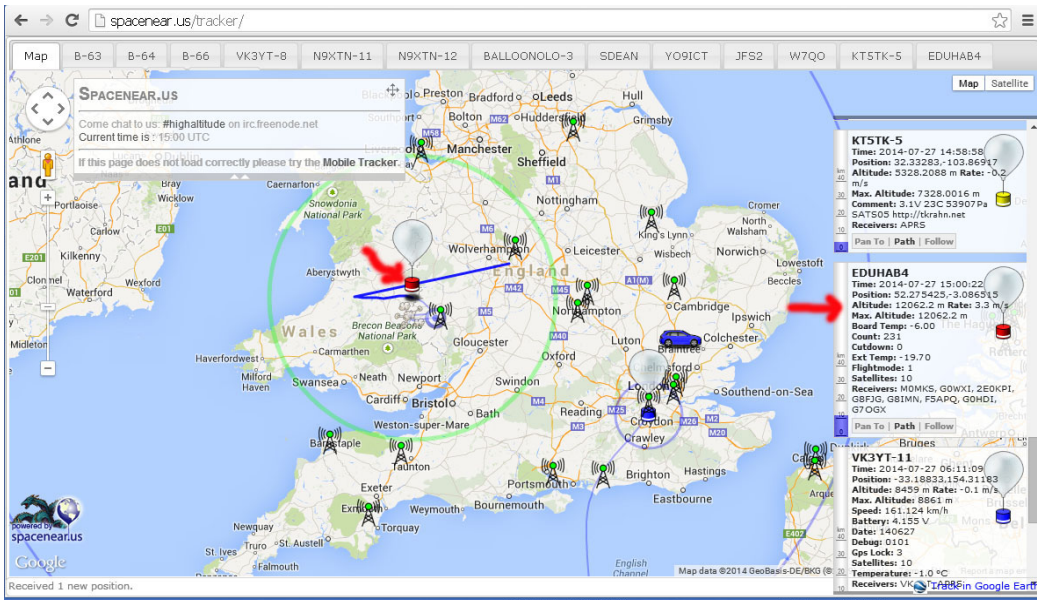
Pi-HAB signal



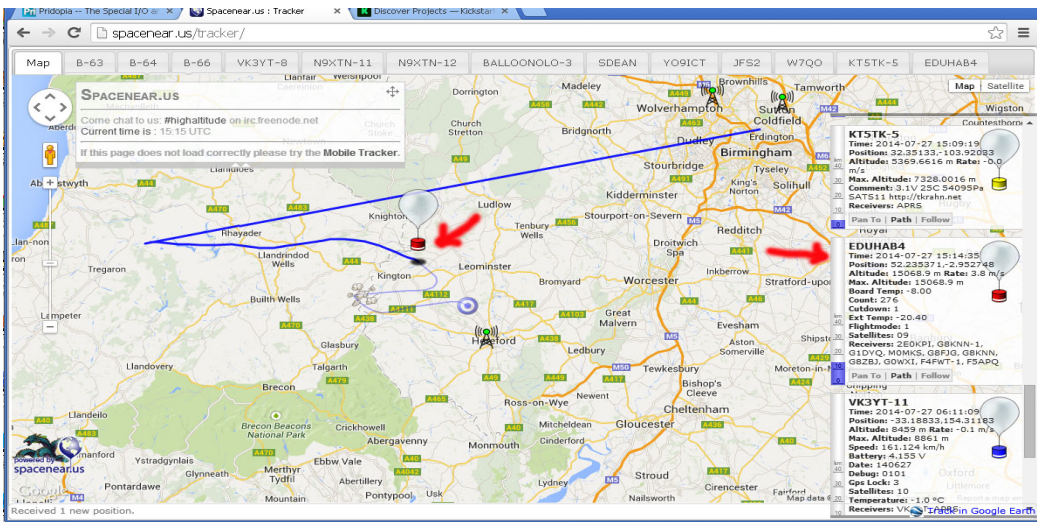
P-HAB signal reach at 15068.9M and drop and landed about 15:53



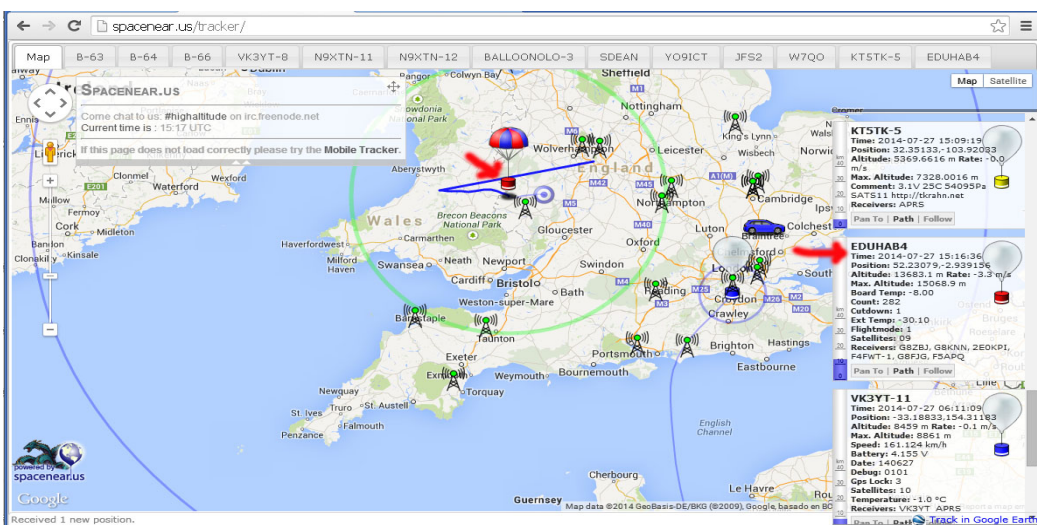
at 14:49:01 reach 9813M



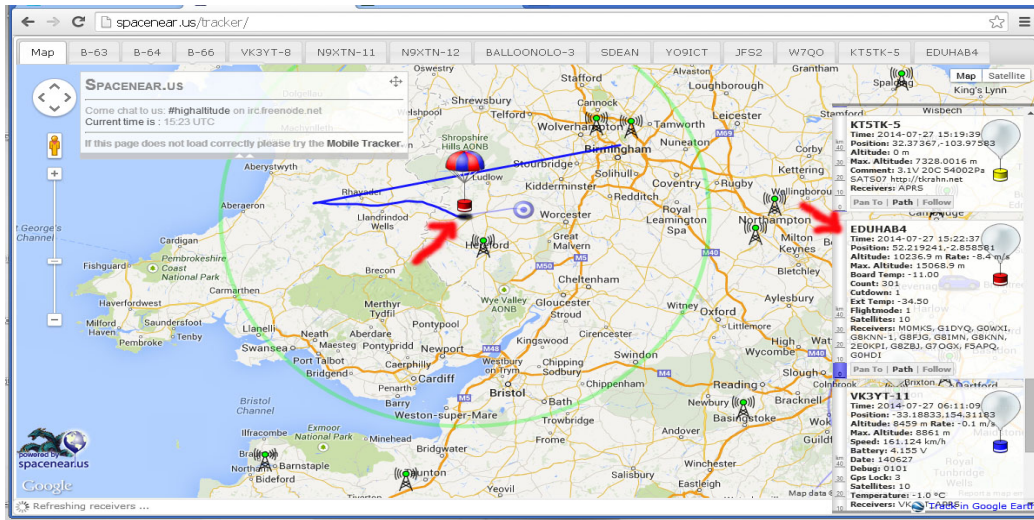
at 15:00:22 reach 12062.2M



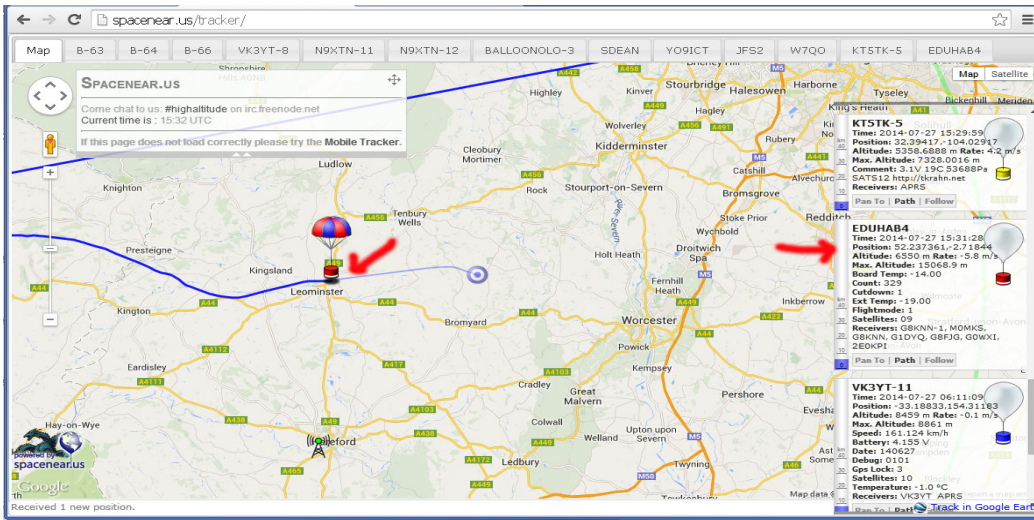
at 15:14:35 reach 15068.9M cutdown = 1



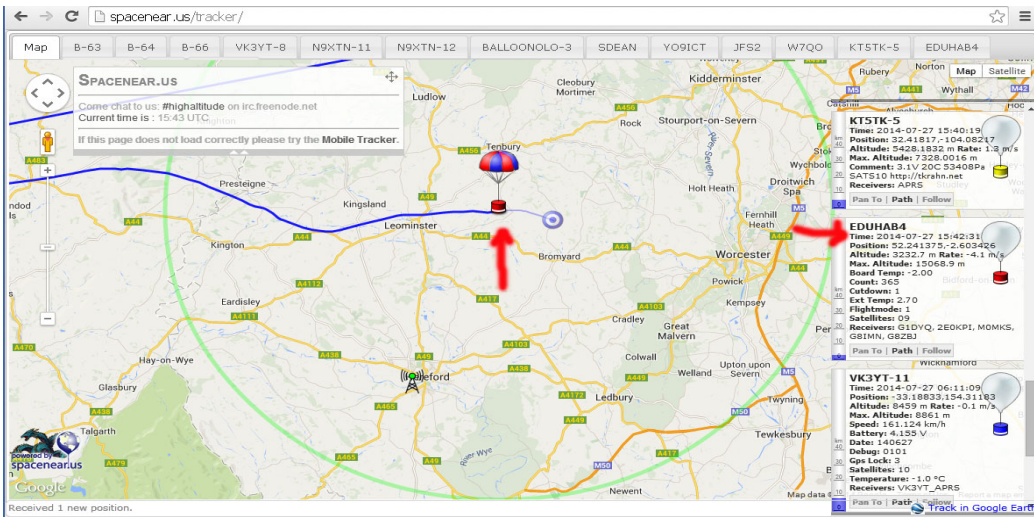
and at 15:16:36 drop to 13683M



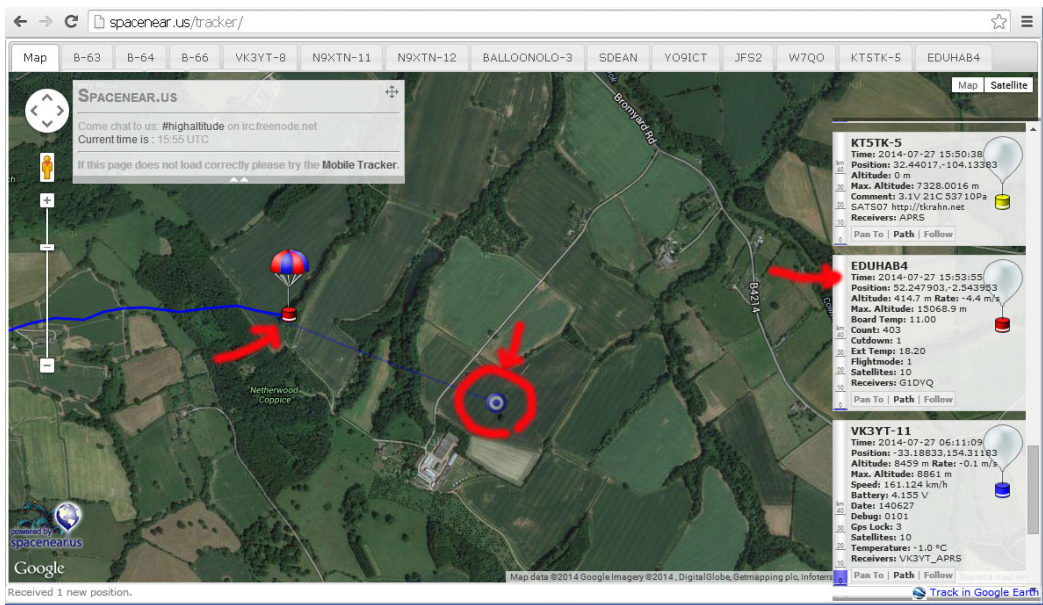
at 15:22:37 drop to 10236.9M



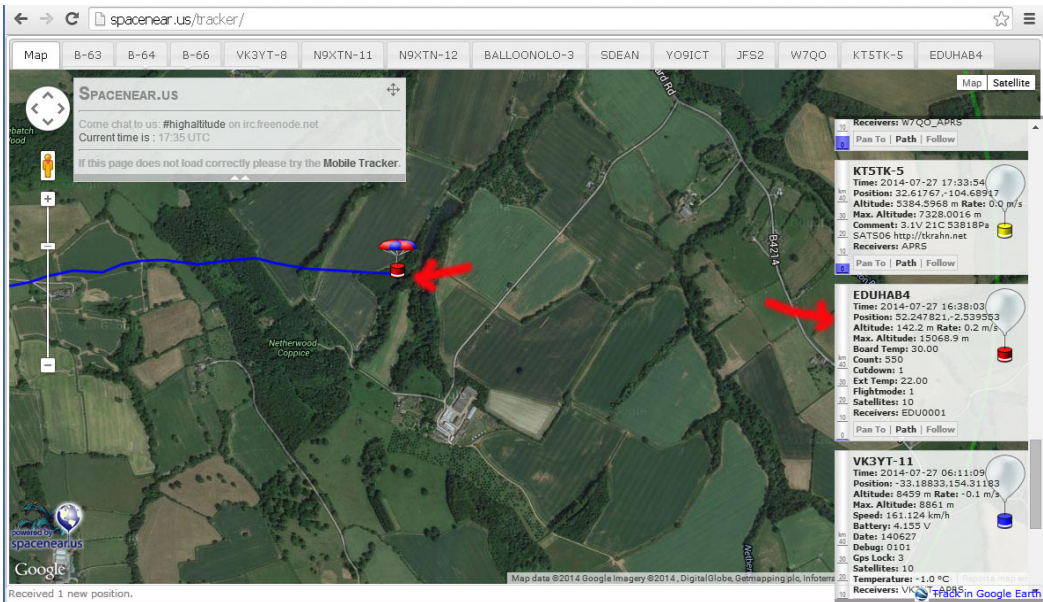
at 15:31:28 drop to 6550M



at 15:42:31 drop to 3232M



at 15:53:55 drop to 414.7M



at 16:38:03 found our HAB landing location.

log file, short data mode send back

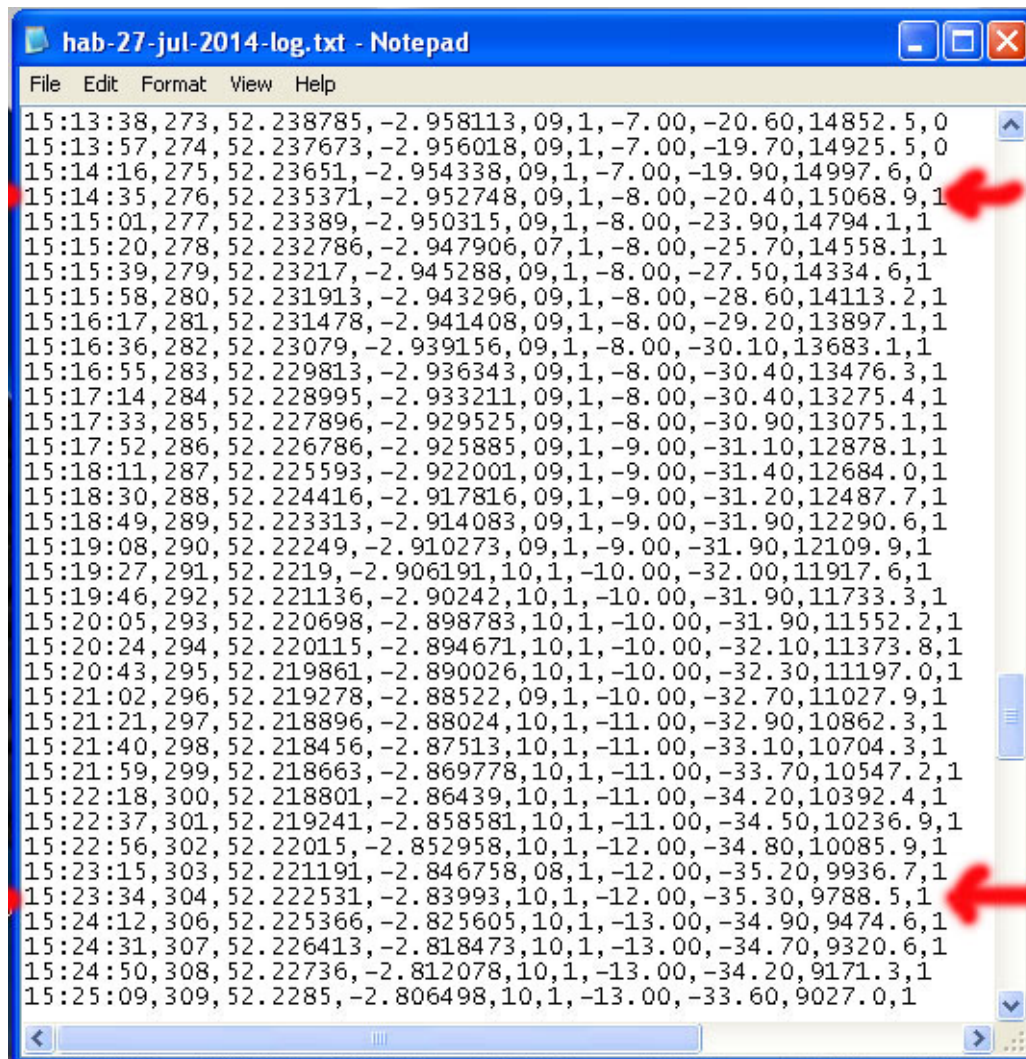
time, count, latitude, longitude, satellites, flightmode, board_temp, ext_temp, altitude, cutdown

14:50:15,199,52.286918,-3.240155,09,1,0.00,-23.40,10049.8,0

15:14:35,276,52.235371,-2.952748,09,1,-8.00,-20.40,15068.9,1

15:23:34,304,52.222531,-2.83993,10,1,-12.00,-35.30,9788.5,1

15:53:55,403,52.247903,-2.543953,10,1,11.00,18.20,414.7,1



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hab-27-jul-2014-log.txt - Notepad
File Edit Format View Help
15:13:38,273,52.238785,-2.958113,09,1,-7.00,-20.60,14852.5,0
15:13:57,274,52.237673,-2.956018,09,1,-7.00,-19.70,14925.5,0
15:14:16,275,52.23651,-2.954338,09,1,-7.00,-19.90,14997.6,0
15:14:35,276,52.235371,-2.952748,09,1,-8.00,-20.40,15068.9,1
15:15:01,277,52.23389,-2.950315,09,1,-8.00,-23.90,14794.1,1
15:15:20,278,52.232786,-2.947906,07,1,-8.00,-25.70,14558.1,1
15:15:39,279,52.23217,-2.945288,09,1,-8.00,-27.50,14334.6,1
15:15:58,280,52.231913,-2.943296,09,1,-8.00,-28.60,14113.2,1
15:16:17,281,52.231478,-2.941408,09,1,-8.00,-29.20,13897.1,1
15:16:36,282,52.23079,-2.939156,09,1,-8.00,-30.10,13683.1,1
15:16:55,283,52.229813,-2.936343,09,1,-8.00,-30.40,13476.3,1
15:17:14,284,52.228995,-2.933211,09,1,-8.00,-30.40,13275.4,1
15:17:33,285,52.227896,-2.929525,09,1,-8.00,-30.90,13075.1,1
15:17:52,286,52.226786,-2.925885,09,1,-9.00,-31.10,12878.1,1
15:18:11,287,52.225593,-2.922001,09,1,-9.00,-31.40,12684.0,1
15:18:30,288,52.224416,-2.917816,09,1,-9.00,-31.20,12487.7,1
15:18:49,289,52.223313,-2.914083,09,1,-9.00,-31.90,12290.6,1
15:19:08,290,52.22249,-2.910273,09,1,-9.00,-31.90,12109.9,1
15:19:27,291,52.2219,-2.906191,10,1,-10.00,-32.00,11917.6,1
15:19:46,292,52.221136,-2.90242,10,1,-10.00,-31.90,11733.3,1
15:20:05,293,52.220698,-2.898783,10,1,-10.00,-31.90,11552.2,1
15:20:24,294,52.220115,-2.894671,10,1,-10.00,-32.10,11373.8,1
15:20:43,295,52.219861,-2.890026,10,1,-10.00,-32.30,11197.0,1
15:21:02,296,52.219278,-2.88522,09,1,-10.00,-32.70,11027.9,1
15:21:21,297,52.218896,-2.88024,10,1,-11.00,-32.90,10862.3,1
15:21:40,298,52.218456,-2.87513,10,1,-11.00,-33.10,10704.3,1
15:21:59,299,52.218663,-2.869778,10,1,-11.00,-33.70,10547.2,1
15:22:18,300,52.218801,-2.86439,10,1,-11.00,-34.20,10392.4,1
15:22:37,301,52.219241,-2.858581,10,1,-11.00,-34.50,10236.9,1
15:22:56,302,52.22015,-2.852958,10,1,-12.00,-34.80,10085.9,1
15:23:15,303,52.221191,-2.846758,08,1,-12.00,-35.20,9936.7,1
15:23:34,304,52.222531,-2.83993,10,1,-12.00,-35.30,9788.5,1
15:24:12,306,52.225366,-2.825605,10,1,-13.00,-34.90,9474.6,1
15:24:31,307,52.226413,-2.818473,10,1,-13.00,-34.70,9320.6,1
15:24:50,308,52.22736,-2.812078,10,1,-13.00,-34.20,9171.3,1
15:25:09,309,52.2285,-2.806498,10,1,-13.00,-33.60,9027.0,1
```