



**WAAS REFERENCE RECEIVER – THIRD GENERATION
(WAAS G-III)
MANUAL ADDENDUM – SAMPLE ASCII LOGS**

D17839

23 JANUARY 2013

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REVISION HISTORY

REV	ECO #	EFFECT DATE	DESCRIPTION

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1 SCOPE

This document contains ASCII representations of a sample of every log type output by the WAAS G-III receiver. Refer to [EICD] for the specification of the binary format of each log. The ASCII format is that generated by using wg3convert.exe version 1.00V39 to convert the binary logs output natively by the receiver.

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2 REFERENCES

2.1 Referenced Documents

Table 2-1: Reference Documents

Document Number	CDRL Number	Document ID	Document Title	Revision Number
D12994			WAAS G-III List of Acronyms and Definitions	BM
D14799		[EICD]	WAAS G-III – External Interface Control Document (EICD)	EM

2.2 Acronyms and Definitions

Refer to D12994 – WAAS G-III List of Acronyms and Definitions for an explanation of acronyms and definition of terms used in this and other WAAS G-III documentation.

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3 SAMPLE ASCII LOGS

3.1 WAAS G-III Logs

3.1.1 AGCINFOB

```
@AGCINFOA,3,COARSE,700,325629.000,0,0,0;4,00008a83,00000000,415,1000,0.057923,0.127564,0.227863,0.259208,0.196641,0.130800,1083277.00,0.020,-683,0,0,00008a93,00000000,345,1000,0.040536,0.112558,0.216250,0.274144,0.210812,0.145700,1126383.00,0.011,-975,0,0,00008804,00000000,500,1000,0.057846,0.127795,0.229254,0.257601,0.196082,0.131422,1116542.00,0.020,-675,0,0,00008aa4,00000000,378,1000,0.075613,0.145261,0.238823,0.252250,0.177546,0.110507,6410439.00,0.013,-326,0,0*bbce55d1
```

3.1.2 ALMANACB

```
@ALMANACA,4,COARSE,700,325629.000,0,0,0;GPS,3,5,32,1,188,503808.0,1.564026e-03,-7.79461039e-09,7.88122702e-01,4.59058731e-01,2.98609059e-01,2.95639038e-04,0.00000000,1.45855743e-04,2.6560132e+07,1.77366529e-02,3,0,0,1,2,188,503808.0,1.192379e-02,-8.00033325e-09,7.69120215e-01,-2.6834964e+00,1.2550131e+00,4.15802002e-04,0.00000000,1.45865402e-04,2.6558960e+07,-3.72709395e-03,1,0,0,1,3,188,503808.0,1.595640e-02,-8.03462039e-09,-3.98168757e-01,1.2653735e+00,1.4146954e+00,1.59263611e-04,3.63797881e-12,1.45858230e-04,2.6559831e+07,-8.79042897e-03,1,0,0,1,4,188,503808.0,1.038361e-02,-8.04604944e-09,7.85697395e-01,9.55494762e-01,-1.7694865e+00,1.15394592e-04,1.09139364e-11,1.45853794e-04,2.6560369e+07,-4.70380828e-03,1,0,0,1,5,188,503808.0,3.074646e-03,-8.11462372e-09,1.8340100e+00,3.18304384e-01,-2.9926164e+00,-3.79562378e-04,0.00000000,1.45870295e-04,2.6558366e+07,6.42354455e-03,2,0,0,1,6,188,503808.0,7.653713e-03,-7.92032991e-09,-3.19660474e-01,-3.90052441e-01,-2.9787484e+00,3.74794006e-04,-1.09139364e-11,1.45856820e-04,2.6560002e+07,-2.04331035e-03,1,0,0,1,7,188,503808.0,6.054401e-03,-7.87461372e-09,-2.3346203e+00,-2.9219630e+00,-1.45522945e-01,1.72615051e-04,3.63797881e-12,1.45854706e-04,2.6560258e+07,3.33580900e-02,2,0,0,1,8,188,503808.0,1.270342e-02,-7.71460706e-09,-2.2460370e+00,-2.8836251e+00,-7.23927329e-01,3.81469727e-06,0.00000000,1.45863039e-04,2.6559247e+07,5.58345038e-02,1,0,0,1,9,188,503808.0,1.706934e-02,-7.77175230e-09,-2.3586524e+00,1.6368141e+00,-2.21974435e-01,2.15530396e-04,0.00000000,1.45929478e-04,2.6551185e+07,4.20346689e-02,1,0,0,1,10,188,503808.0,1.228619e-02,-8.19462705e-09,1.8541596e+00,7.94159381e-01,-2.6561810e+00,-6.67572021e-05,0.00000000,1.45852343e-04,2.6560545e+07,1.27631995e-03,1,0,0,1,11,188,503808.0,1.381493e-02,-8.36606277e-09,5.00236528e-01,1.1410042e+00,5.94687200e-02,-3.46183777e-04,0.00000000,1.45858727e-04,2.6559770e+07,-5.35814696e-02,1,0,0,1,12,188,503808.0,4.223824e-03,-8.03462039e-09,-1.2763005e+00,1.42278216e-01,-4.12015031e-01,1.13487244e-04,0.00000000,1.45861422e-04,2.6559443e+07,3.99733822e-02,2,0,0,1,13,188,503808.0,4.934311e-03,-7.41745182e-09,2.9809100e+00,2.0674477e+00,2.3082089e+00,1.49726868e-04,0.00000000,1.45866605e-04,2.6558814e+07,4.07883095e-02,1,0,0,1,14,188,503808.0,6.700039e-03,-7.47459706e-09,2.9525385e+00,-2.0185625e+00,2.4470544e+00,2.19345093e-04,0.00000000,1.45855038e-04,2.6560218e+07,3.34899165e-02,1,0,0,1,15,188,503808.0,5.270958e-03,-7.82889753e-09,2.8567640e+00,1.20983372e-01,1.9826204e+00,-1.05857849e-04,0.00000000,1.45855660e-04,2.6560143e+07,1.13850137e-04,2,0,0,1,16,188,503808.0,6.866455e-03,-8.02319134e-09,-1.2579755e+00,2.87924748e-02,-2.6508207e+00,-2.51770020e-04,0.00000000,1.45866688e-04,2.6558804e+07,4.07164041e-02,1,0,0,1,17,188,503808.0,8.061886e-03,-7.62317468e-09,-2.19743497e-01,-2.2509794e+00,2.6107364e+00,5.53131104e-05,0.00000000,1.45847576e-04,2.6561124e+07,2.24883980e-02,2,0,0,1,18,188,503808.0,1.368570e-02,-8.33177562e-09,1.8391879e+00,-2.1300589e+00,-2.1599071e+00,2.35557556e-04,0.00000000,1.45852758e-04,2.6560495e+07,-1.49383363e-02,1,0,0,1,19,188,503808.0,8.851528e-03,-7.66889087e-09,-1.67463814e-01,2.76496292e-01,1.9242089e+00,-3.42369080e-04,0.00000000,1.45858603e-04,2.6559785e+07,1.97919474e-02,1,0,0,1,20,188,503808.0,5.575657e-03,-8.35463372e-09,1.7856031e+00,1.2827832e+00,-1.5749987e+00,8.10623169e-05,0.00000000,1.45847742e-04,2.6561104e+07,-1.42851961e-02,1,0,0,1,21,188,503808.0,1.972294e-02,-8.09176563e-09,7.90122944e-01,-2.1835539e+00,-1.0579591e+00,-2.7656552e-04,0.00000000,1.45853421e-04,2.6560414e+07,-1.09356052e-02,1,0,0,1,22,188,503808.0,6.167889e-03,-8.37749181e-09,1.8420533e+00,-2.0322751e+00,-2.8074339e+00,1.56402588e-04,0.00000000,1.45861174e-04,2.6559473e+07,-1.72033549e-02,1,0,0,1,23,188,503808.0,8.162022e-03,-7.69174896e-09,2.8960782e+00,-2.9173929e+00,1.4922236e+00,1.20162964e-04,-3.63797881e-12,1.45850436e-04,2.6560777e+07,1.50162338e-02,1,0,0,1,24,188,503808.0,5.722046e-04,-8.01176229e-09,-2.3611035e+00,-3.12825721e-03,9.24244772e-01,0.00000000,0.00000000,1.45855286e-04,2.6560188e+07,1.69576782e-02,3,0,0,
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0,0,0,0,0,0,0,0,0,0,0,0,0,0,29,0,16,32,1000,13,7786865,-29535,-72048,3160,-1541189,8665,-9598
2,3798,-100606,-120,-99055,-2092,-42737,-3677,41477,12879,108306,17889,99459,6691,90229,2
673,1174670,-8901,358503,-1727,29,1,34,33,1000,13,1559237,-51954,-29414,735,-96968,921,-9
2072,-4195,-60862,-9372,-51416,-17033,-19217,-3015,27997,-2360,45365,-2086,74946,-3715,83
809,-3638,46684,1801,37503,-9449,29,3,52,106,1000,13,1747279,-12642,-36360,-2840,-749667,
-19854,-44532,-205,-54278,871,-50418,-2251,-23839,-6543,13370,2394,43673,-3824,51561,-268
1,47828,-3205,573483,-31637,58270,-4511,29,2,78,88,0,13,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,
0,0,0,0,0,0,0,0,0,29,4,96,108,0,13,0,1
8,0,17,34,1000,13,14565021,-43805,-143884,-2512,-2888217,32431,-183887,-4997,-188324,3883
,-192168,1067,-87226,-2863,80343,14650,199966,20573,186660,9461,175968,-3127,2201170,-315
18,676372,-10317,18,1,35,35,1000,13,7517148,28221,-101881,-428,-407895,-10229,-419573,355
73,-327503,62048,-217300,45041,-72196,75981,89630,99748,226757,90315,316568,68100,413888,
45368,223651,14323,165292,2844,18,3,53,108,0,13,0,
0,0,0,0,0,0,0,0,0,18,2,79,90,0,13,0,
9,0,13,0,
26226,-82540,-2390,-1808504,-24473,-109876,3083,-118831,-1831,-111159,-667,-53198,3869,48
657,15995,110463,12925,116219,5050,110658,-4356,1363515,-37892,422138,-9164,65535,5,55,11
1,0,13,0,
0,
0,
0,
0,
0,
0,
0,
0,
0,
0,
0,
104,116,0,13,0,
0,
0,0

3.1.5 CORRLLOCATIONNB

@CORRLLOCATIONA,7,COARSE,700,325631.000,0,0,0;106,0,13,-0.50937498,-0.49062499,-0.10156250
,-0.07656250,-0.05156250,-0.02500000,0.00000000,0.02500000,0.05156250,0.07656250,0.101562
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1,-0.09960938,0.00000000,0.09960938,0.20019531,0.29980469,0.40039063,0.45019531,0.4892578
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0,0.02500000,0.05156250,0.07656250,0.10156250,0.40000001,0.49062499,62,13,-0.50000000,-0.
44843751,-0.39843750,-0.34843749,-0.10156250,-0.05156250,0.00000000,0.05156250,0.10156250
0.34687501,0.39843750,0.44843751,0.50000000,80,13,-0.51074219,-0.48925781,-0.40039063,-0
.29980469,-0.20019531,-0.09960938,0.00000000,0.09960938,0.20019531,0.29980469,0.40039063,
0.45019531,0.48925781,1,13,-0.50937498,-0.49062499,-0.10156250,-0.07656250,-0.05156250,-
.02500000,0.00000000,0.02500000,0.05156250,0.07656250,0.10156250,0.40000001,0.49062499,19
13,-0.51074219,-0.48925781,-0.40039063,-0.29980469,-0.20019531,-0.09960938,0.00000000,0.
09960938,0.20019531,0.29980469,0.40039063,0.45019531,0.48925781,37,13,-0.50937498,-0.4906
2499,-0.10156250,-0.07656250,-0.05156250,-0.02500000,0.00000000,0.02500000,0.05156250,0.0
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843751,0.50000000,81,13,-0.51074219,-0.48925781,-0.40039063,-0.29980469,-0.20019531,-0.09
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,-0.40039063,-0.29980469,-0.20019531,-0.09960938,0.00000000,0.09960938,0.20019531,0.29980
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50,0.00000000,0.05156250,0.10156250,0.34687501,0.39843750,0.44843751,0.50000000,82,13,-0.
51074219,-0.48925781,-0.40039063,-0.29980469,-0.20019531,-0.09960938,0.00000000,0.0996093
8,0.20019531,0.29980469,0.40039063,0.45019531,0.48925781,3,13,-0.50937498,-0.49062499,-0.
10156250,-0.07656250,-0.05156250,-0.02500000,0.00000000,0.02500000,0.05156250,0.07656250,
0.10156250,0.40000001,0.49062499,21,13,-0.51074219,-0.48925781,-0.40039063,-0.29980469,-0.

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3.1.10 RAWFRAMEDATAB

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3.1.11 RXCOMMANDSB

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135 0 500","CHANCONFIG 18GPSALL8GEO","CORRSPACING L1GEO 18 0.1","CORRSPACING L1GEO 19
0.1","CORRSPACING L1GEO 20 0.1","CORRSPACING L1GEO 21 0.1","CORRSPACING L1GEO 22
0.1","CORRSPACING L1GEO 23 0.1","CORRSPACING L1GEO 24 0.1","CORRSPACING L1GEO 25
0.1","DLLBW L1CA 0.200000","DLLBW L1GEO 0.200000","DLLBW L1C 0.200000","DLLBW L2C
0.200000","DLLBW L2PY 0.200000","DLLBW L5GPS 0.200000","DLLBW L5GEO 0.200000","ECUTOFF
0.000000","ETHCONFIG ETHA 100 FULL MDI","ETHCONFIG ETHB AUTO AUTO AUTO","FIX POSITION
51.000000 -114.000000 1000.000000","IPCONFIG ETHB STATIC 0.0.0.0 0.0.0.0
0.0.0.0","IPCONFIG ETHA STATIC 192.168.0.10 255.255.255.0 0.0.0.0","ICOMCONFIG ICOM1 UDP
0.0.0.0:3000 ETHA","ICOMCONFIG ICOM2 DISABLED","LOG ICOM2 CARDSTATUSB ONTIME 1","LOG
ICOM2 FACTORYDATAB ONTIME 1","LOG ICOM2 MEASUREMENTDATAB ONTIME 1","LOG ICOM2 AGCINFOB
ONTIME 1","LOG ICOM2 RAWFRAMEDATAB ONNEW","LOG ICOM2 VERSIONB ONTIME 500","LOG ICOM2
RXCOMMANDSB ONTIME 600","LOG ICOM2 ETHSTATUSB ONTIME 500","PLLDYNAMIC L1CA FALSE
3.000000 0.000000 0 0.000000 0","PLLDYNAMIC L1C FALSE 3.000000 0.000000 0 0.000000
0","PLLDYNAMIC L2C FALSE 3.000000 0.000000 0 0.000000 0","PLLDYNAMIC L5GPS FALSE
3.000000 0.000000 0 0.000000 0","PLLDYNAMIC L2PY FALSE 0.200000 0.000000 0 0.000000
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0","PLLDYNAMIC L1GEO FALSE 3.000000 0.000000 0 0.000000 0","PLLDYNAMIC L5GEO FALSE
3.000000 0.000000 0 0.000000 0","PULSEBLANKING L1 95 2","PULSEBLANKING L2 95
2","PULSEBLANKING L5 95 2","RFATTEN 0","RFIFTEMP ON","TRACKMODE STANDARD GPS","TRACKTYPE
L5GEO 26 I5","TRACKTYPE L5GEO 27 I5","TRACKTYPE L5GEO 28 I5","TRACKTYPE L5GEO 29
I5","TRACKTYPE L5GEO 30 I5","TRACKTYPE L5GEO 31 I5","TRACKTYPE L5GEO 32 I5","TRACKTYPE
L5GEO 33 I5","THRESHOLD L1CA 36 20 36","THRESHOLD L1C 36 20 10","THRESHOLD L2C 36 20
10","THRESHOLD L2PY 30 10 10","THRESHOLD L5GPS 36 20 36","THRESHOLD L1GEO 36 26 36
18","THRESHOLD L1GEO 36 26 36 19","THRESHOLD L1GEO 36 26 36 20","THRESHOLD L1GEO 36 26 36
21","THRESHOLD L1GEO 36 26 36 22","THRESHOLD L1GEO 36 26 36 23","THRESHOLD L1GEO 36 26 36
24","THRESHOLD L1GEO 36 26 36 25","THRESHOLD L5GEO 36 26 36 26","THRESHOLD L5GEO 36 26 36
27","THRESHOLD L5GEO 36 26 36 28","THRESHOLD L5GEO 36 26 36 29","THRESHOLD L5GEO 36 26 36
30","THRESHOLD L5GEO 36 26 36 31","THRESHOLD L5GEO 36 26 36 32","THRESHOLD L5GEO 36 26 36
33"*492db888

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3.1.12 SATPOSB

```

@SATPOSA,43,COARSE,700,325640.000,0,0,0;GPS,TRUE,TRUE,31,1,0,2,0,0,-100.0,-1000.0,0.000,0
,-100.0,-1000.0,2847.088,2,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-2822.353,3,0,0,
0,0,33.5,-59.8,1382.208,0,33.5,-59.8,1382.384,4,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-10
00.0,-1079.495,5,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-3432.458,6,0,0,0,0,45.9,-
78.7,438.803,0,45.9,-78.7,438.596,7,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-2727.2
04,8,0,0,0,2,1,1.4,-1423.128,0,2,1,1.4,-1423.147,9,0,0,0,0,13.8,84.4,2546.249,0,13.8,84
.4,2545.938,10,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-2173.745,11,0,2,0,0,-100.0,
-1000.0,0.000,0,-100.0,-1000.0,3601.566,12,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,
301.656,13,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-1813.386,14,0,0,0,0,5.2,-169.0,
3818.083,0,5.2,-169.0,3818.247,15,0,0,0,0,43.9,67.3,-1483.764,0,43.9,67.3,-1484.293,16,0,
0,0,0,11.6,-95.8,-2697.203,0,11.6,-95.8,-2696.985,17,0,2,0,0,-100.0,-1000.0,0.000,0,-100.
0,-1000.0,1283.169,18,0,0,0,0,80.5,-123.4,589.687,0,80.5,-123.4,589.100,19,0,0,0,0,17.8,-
41.9,2986.734,0,17.9,-41.9,2986.594,20,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,1897
.625,21,0,0,0,71.4,121.3,-729.952,0,71.4,121.3,-729.777,22,0,0,0,0,41.6,-114.8,2496.661
,0,41.6,-114.8,2496.103,23,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-346.556,24,0,0,
0,0,6.9,111.8,2992.095,0,6.9,111.8,2992.493,25,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-100
0.0,-1089.387,26,0,0,0,0,15.4,37.3,-3443.856,0,15.4,37.3,-3444.229,28,0,2,0,0,-100.0,-100
0.0,0.000,0,-100.0,-1000.0,2623.899,29,0,0,0,0,5.1,164.8,-3893.871,0,5.1,164.8,-3893.914,
30,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,-3262.582,31,0,2,0,0,-100.0,-1000.0,0.00
0,0,-100.0,-1000.0,227.352,32,0,2,0,0,-100.0,-1000.0,0.000,0,-100.0,-1000.0,2877.044*238a
8cb2

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3.1.13 TIMESOLUTIONB

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@TIMESOLUTIONA,45,COARSE,700,325641.000,0,0,0;NOT_COMPUTED,0,0.000000000,0.000000000,0.00
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229233.737,21228562.737,1,1,0,0,00000089,0.000,0.000000000,0.000,0.000,0.000,0.000,0.000,
2,2,3,0,00000002,1072233.125,47605.222656250,2.473,3.878,-16416070.959,2352003.997,202877
94.590,3,3,21,0,00000002,1082468.875,-82828.093750000,1.556,2.266,-2586861.363,-19658836.
698,17947610.483,4,4,22,0,00000002,1081827.750,46904.023437500,2.138,3.227,-21236360.602,
-10920689.098,11949046.469,5,5,6,0,00000002,1076001.250,113246.484375000,1.996,2.984,-182
76321.945,-4548938.120,18950251.371,6,6,0,0,00000089,0.000,0.000000000,0.000,0.000,0.000,
0.000,0.000,7,7,8,0,00000041,1066725.625,1272.240844727,4.839,37.149,6754548.835,13644213
.390,21771298.960,8,8,9,0,00000002,1080956.375,64689.964843750,3.732,8.844,18883369.434,-
14828574.034,10851051.498,9,9,24,0,00000041,1086841.750,46.336467743,4.349,16.753,1575382
4.723,-21316218.547,1461785.306,10,10,14,0,00000041,1091747.375,65913.328125000,4.512,21.
101,-14398040.072,-20513849.640,-8810369.406,11,11,26,0,00000002,1071234.750,-38315.24218
7500,3.606,7.988,15124895.388,-59533.442,21247092.592,12,12,0,0,00000089,0.000,0.00000000
0,0.000,0.000,0.000,0.000,0.000,13,13,0,0,00000089,0.000,0.000000000,0.000,0.000,0.000,0.
000,0.000,14,14,15,0,00000002,1077773.375,-31798.189453125,2.060,3.091,9570361.158,-13934
236.310,20410519.937,15,15,16,0,00000002,1078278.500,-75542.867187500,3.917,10.418,-25686
662.871,1502779.915,7240781.841,16,16,29,0,00000041,1092742.875,120164.625000000,4.532,21
.759,-3847552.601,-24824941.453,-8633371.754,17,17,18,0,00000002,1080393.000,70700.390625
000,1.513,2.177,-10036706.009,-15562842.109,19540298.098,*2c422650

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Verify Current Revision Prior to Use



3.2.4 RAWGPSSUBFRAMEWPB

#RAWGPSSUBFRAMEWPA,NO_PORTS,0,0.0,SATTIME,700,325644.000,00000000,0000,0;3,21,0,8b0af04657f920c45192d498c10d3102bfff657bd08904ac1e20fcc0a50c3dcc9bfcc40062c00000*b4cef191

3.2.5 RAWWAASFRAMEWPB

#RAWWAASFRAMEWPA,NO_PORTS,0,0.0,SATTIME,700,325651.000,00000000,0000,0;54,135,0,9a1c43fffffffffffc00000000000000001bca90c0*ed34c369

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