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:                               Flight Card                               :
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Launch date:   Sun Apr 12 2015
Launch site:   MDRA Higgs Farm
Flyer's name:  Scott Szympruch
Rocket name:   Bella Trix
Motor:         N2250 Red
Expected alt:  11500 feet
Dual deploy:   Yes, main parachute set at 1000 feet
:
Comments:     Perfect flight!
:
:

```

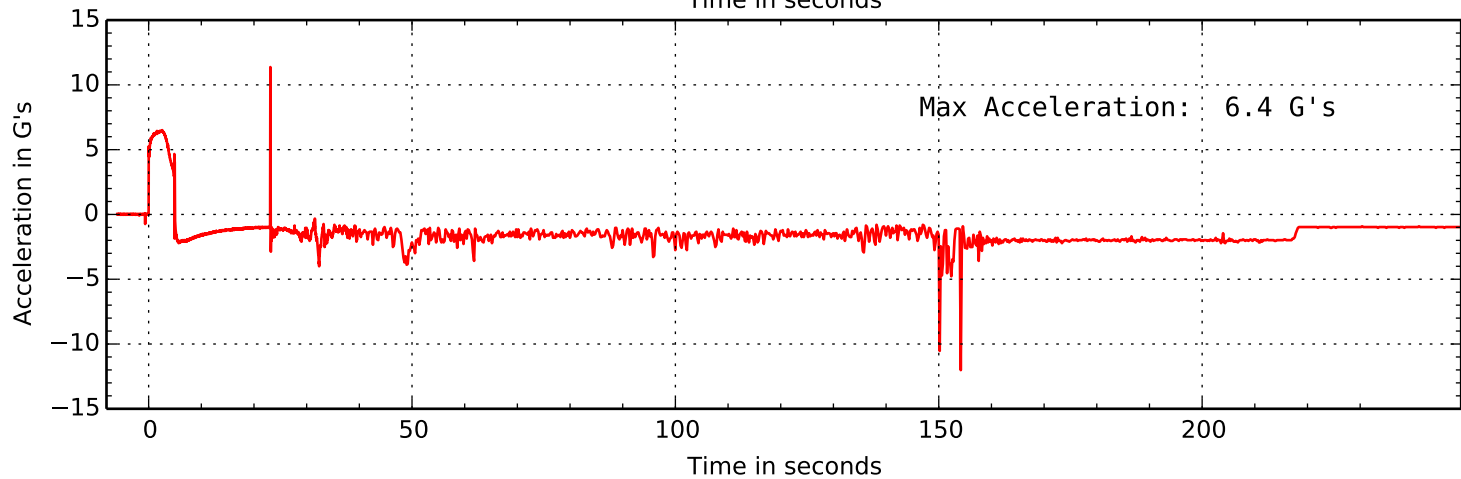
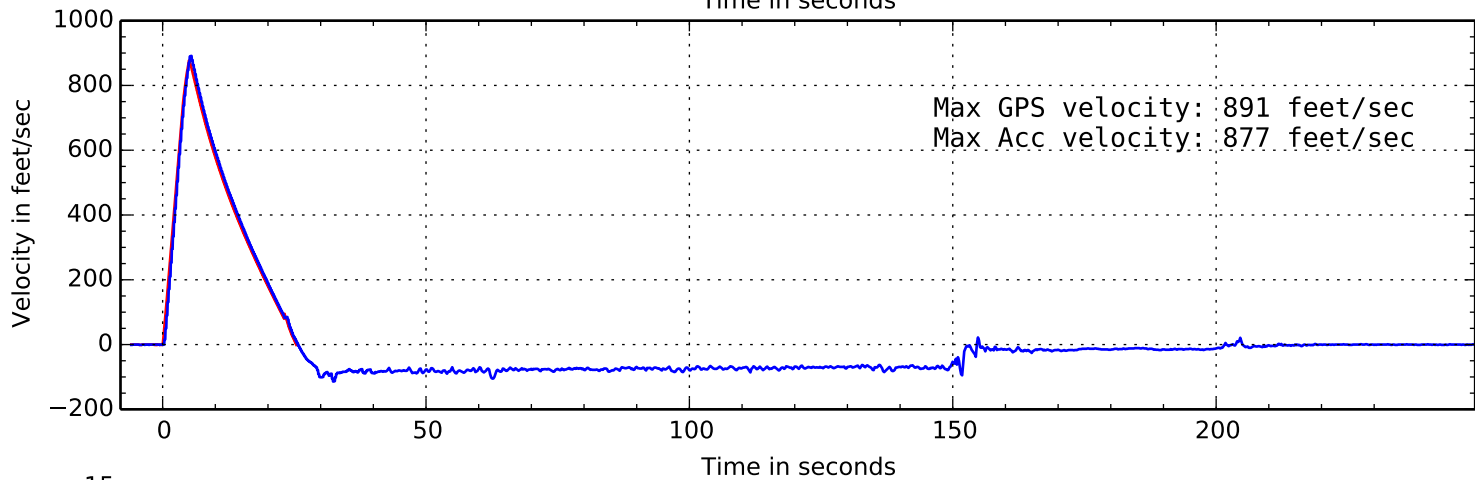
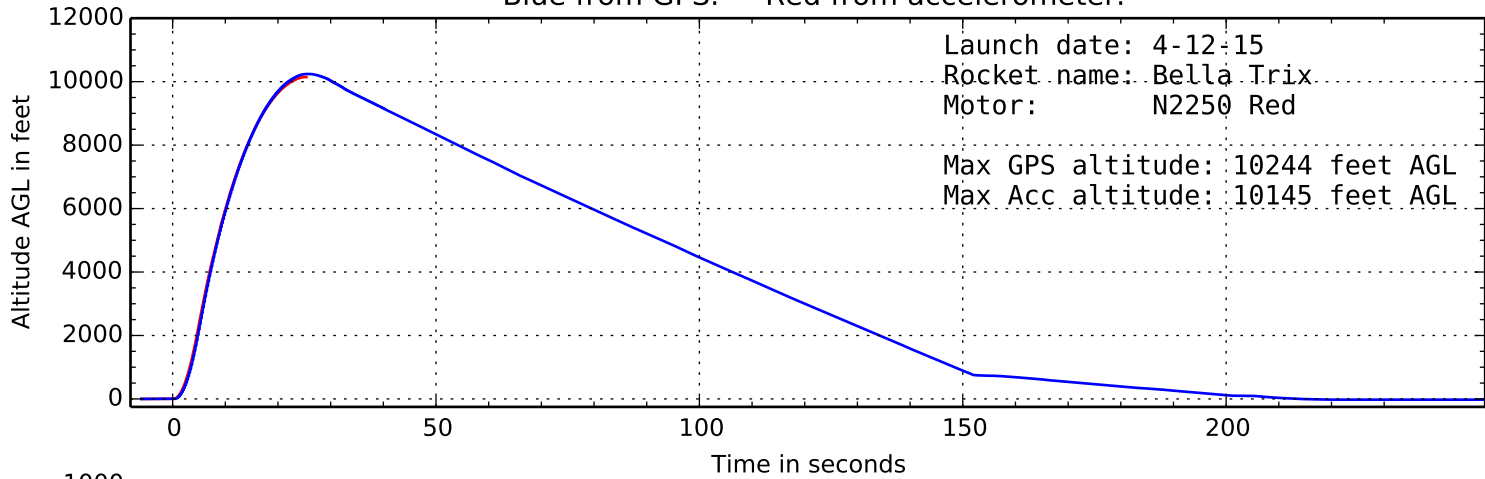
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:                               Flight Results                             :
-----
Max GPS altitude:  10244 feet AGL
Max Acc altitude:  10145 feet AGL
:
Max GPS velocity:  891 feet/sec    607.5 mph    0.805 Mach
Max Acc velocity:  877 feet/sec    598.0 mph    0.792 Mach
Max GPS Mach num:  0.806 Mach
:
Max Acceleration:  6.4 G's          206.7 feet/sec/sec
:
Motor burnout alt: 2340 feet AGL
Motor burn time:   5.0 sec (approx)
:
Ground speed at apogee:  17 feet/sec    11.6 mph
Heading at apogee:      357 degrees    (from true north)
:
Descent rate on drogue:  75 feet/sec    51.3 mph
Descent rate on main:   15 feet/sec    10.0 mph
Touch down velocity:    14 feet/sec    9.5 mph
:
Main chute deployed at:  850 feet AGL
:
Time to apogee:         25.5 sec
Time on drogue:         2 min 5.1 sec
Time on main:           1 min 6.0 sec
Total flight time:     3 min 36.6 sec
:
Lift off:               08:03:11.8 MDT    14:03:11.8 UTC
Apogee:                 08:03:37.4 MDT    14:03:37.4 UTC
Touch down:             08:06:48.4 MDT    14:06:48.4 UTC
:
Launch pad coordinates:  N 39° 4.9176'  W 75° 52.5104'
Landing site coordinates: N 39° 4.6308'  W 75° 52.0373'
:
Distance to landing site: 2833 feet    0.54 miles
Bearing to landing site: 128 degrees    (from true north)
Ground level:             85 feet MSL
:
:                               Liftoff    Apogee    Landing
Battery:                  4.04v         4.03v         4.02v
Temperature:              79°F          79°F          81°F
:
Transmitter: Mx110A0206   Firmware: 2.0.0.0
:
This data came from transmitter flash memory.
:
:

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Altitude, Velocity, and Acceleration

Blue from GPS. Red from accelerometer.



Altitude AGL

Blue from GPS. Red from accelerometer.

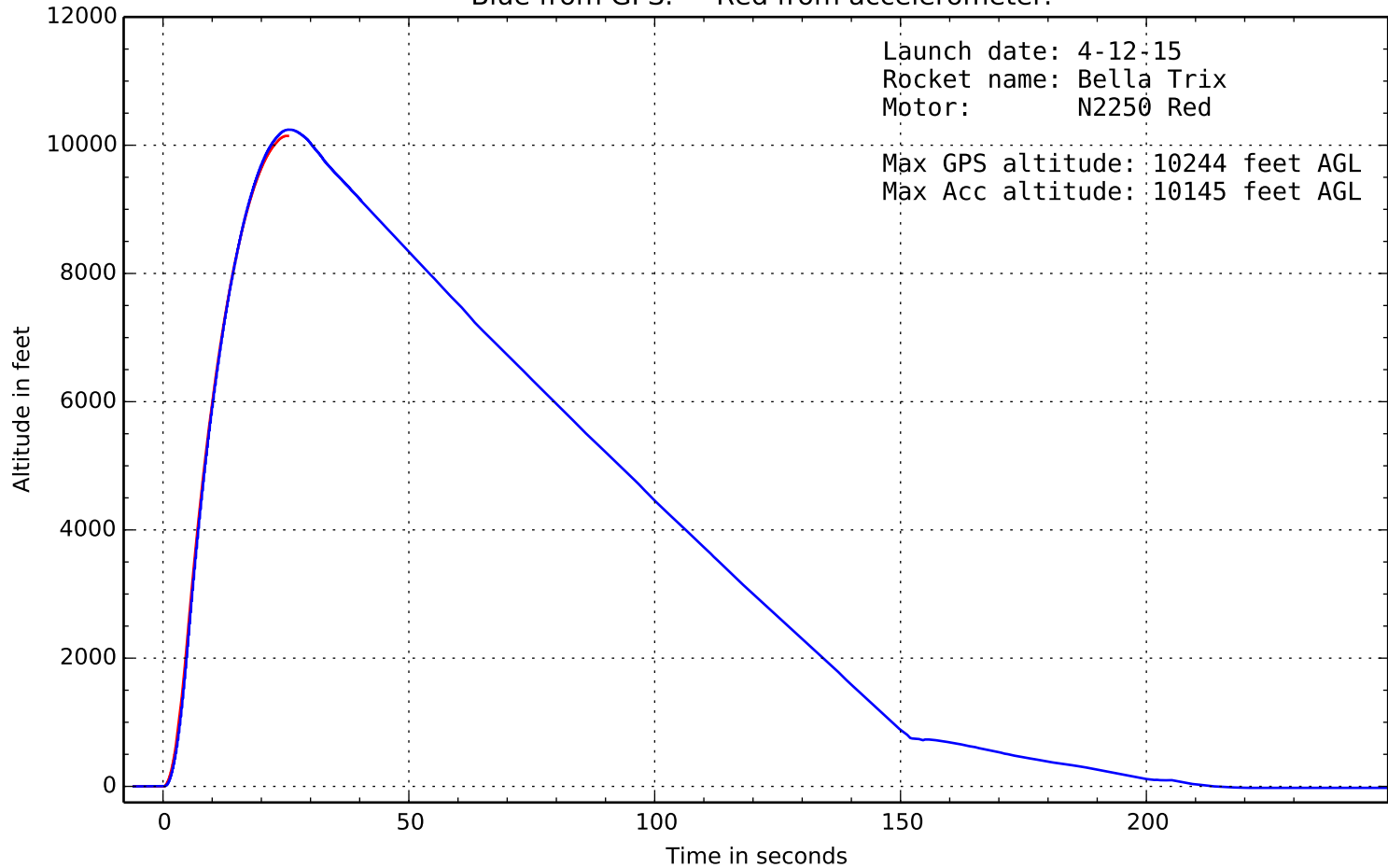
Launch date: 4-12-15

Rocket name: Bella Trix

Motor: N2250 Red

Max GPS altitude: 10244 feet AGL

Max Acc altitude: 10145 feet AGL

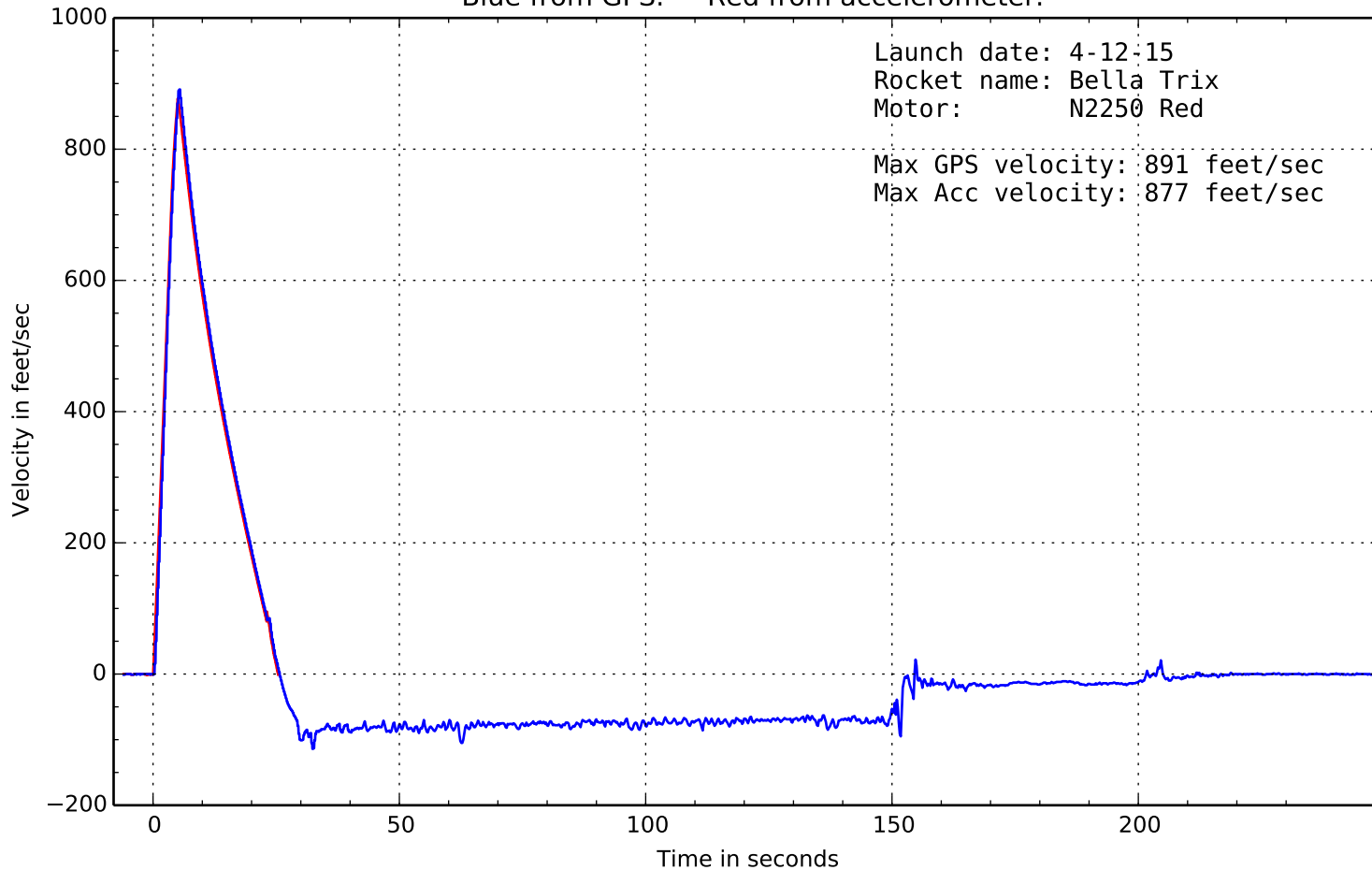


Vertical Velocity

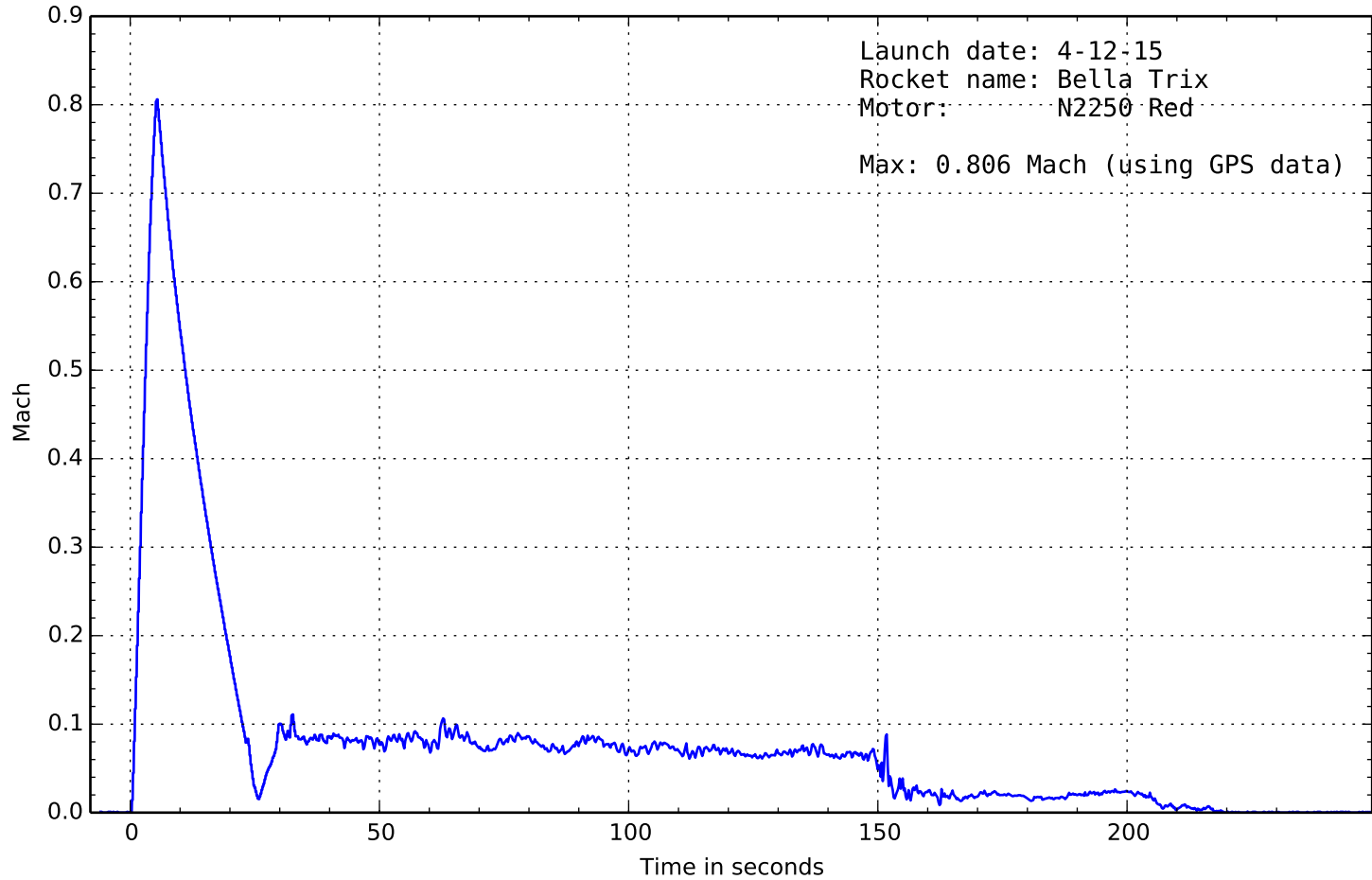
Blue from GPS. Red from accelerometer.

Launch date: 4-12-15
Rocket name: Bella Trix
Motor: N2250 Red

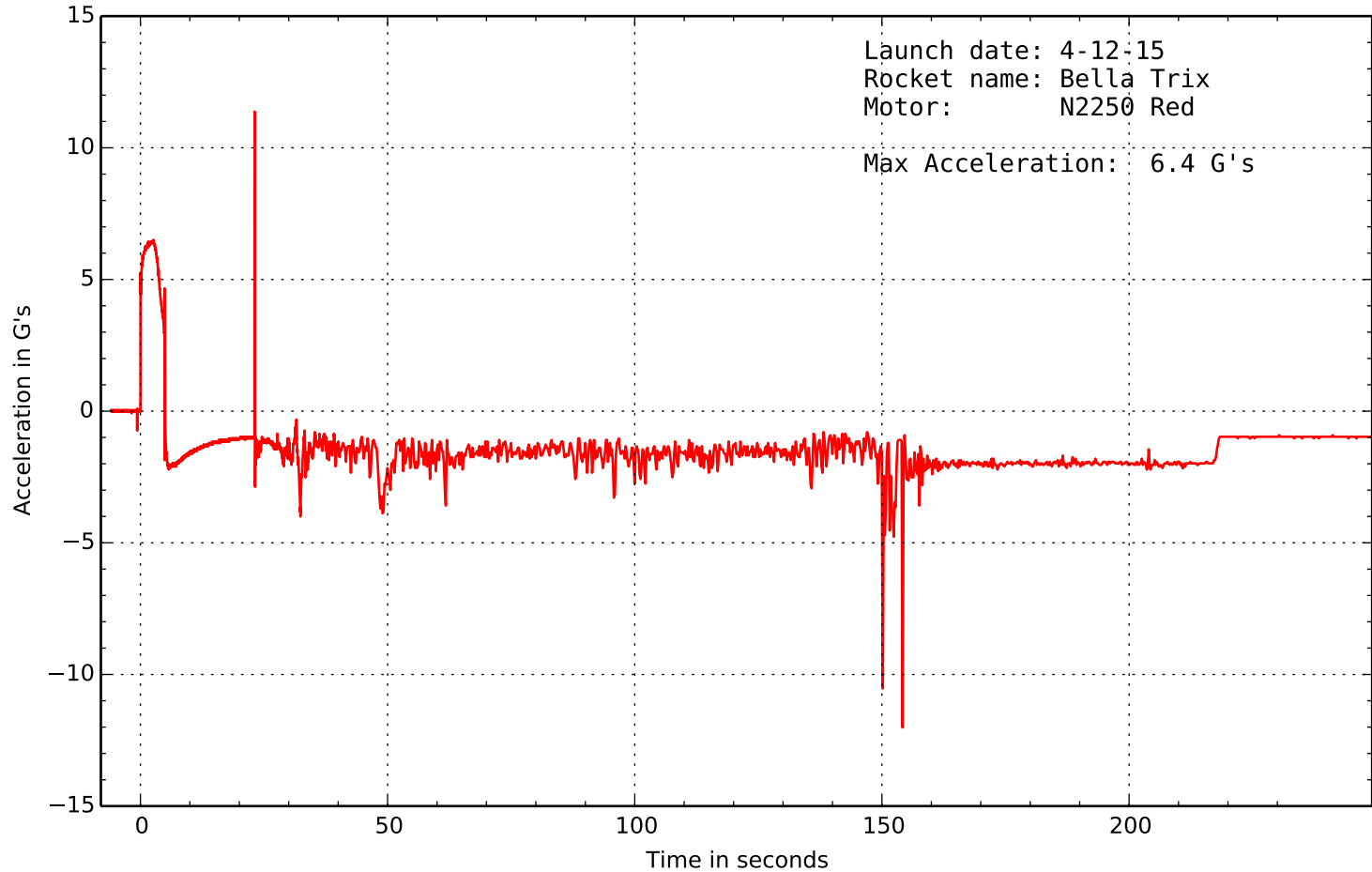
Max GPS velocity: 891 feet/sec
Max Acc velocity: 877 feet/sec



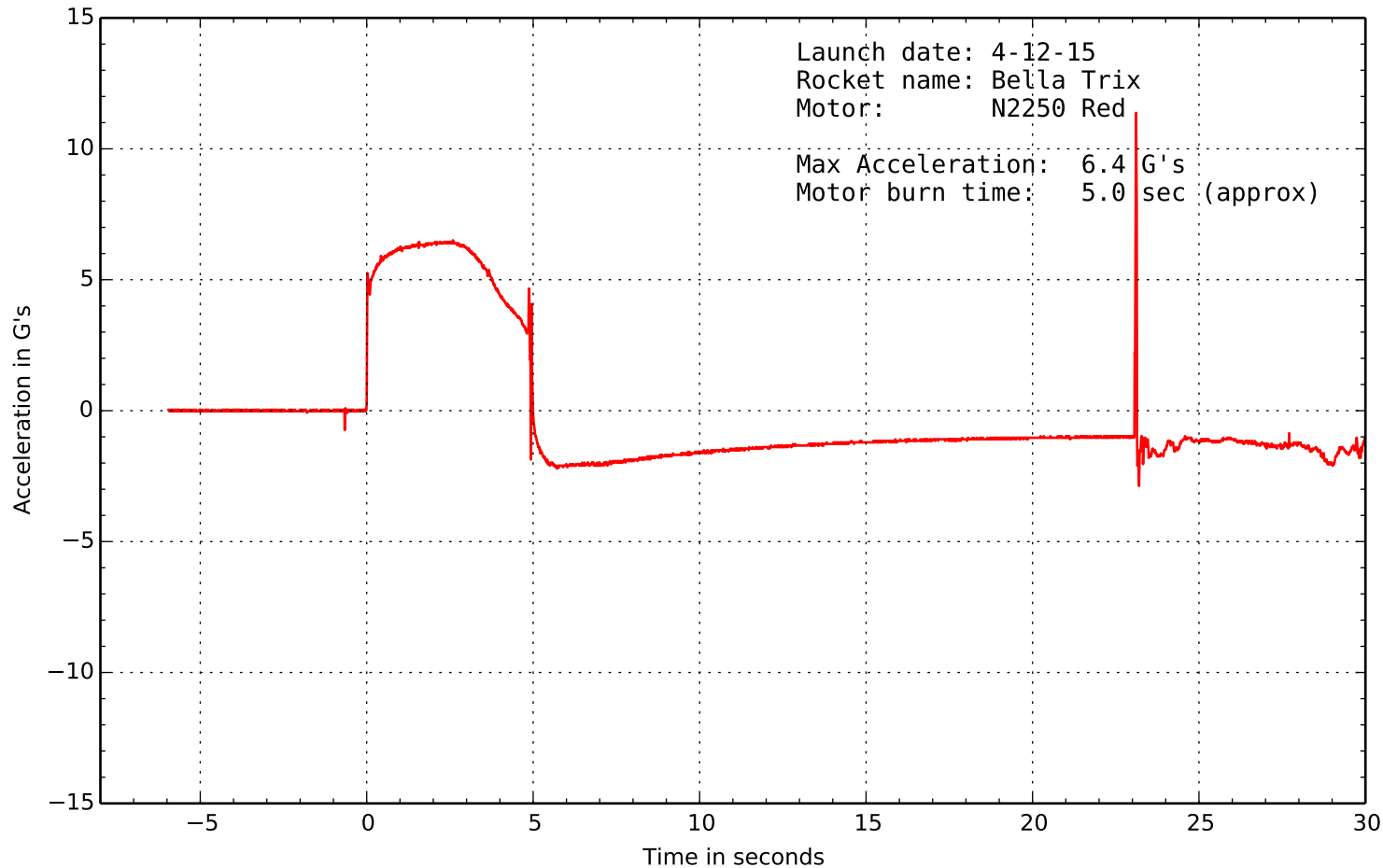
3D Velocity in Mach



Acceleration -- Full Flight



Acceleration -- Boost Phase



Ground Speed and Heading

