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:                               Flight Card                               :
-----
Launch date:   Sun Oct 18 2015
Launch site:   Brothers, Oregon
Flyer's name:  Paul Bogdanich
Rocket name:   Rocket Dog
Motor:         M1297-W
Expected alt:  15600 feet
Dual deploy:   Yes, main parachute set at 1200 feet
:
Comments:     L-3 cert 10-18-15
:
:

```

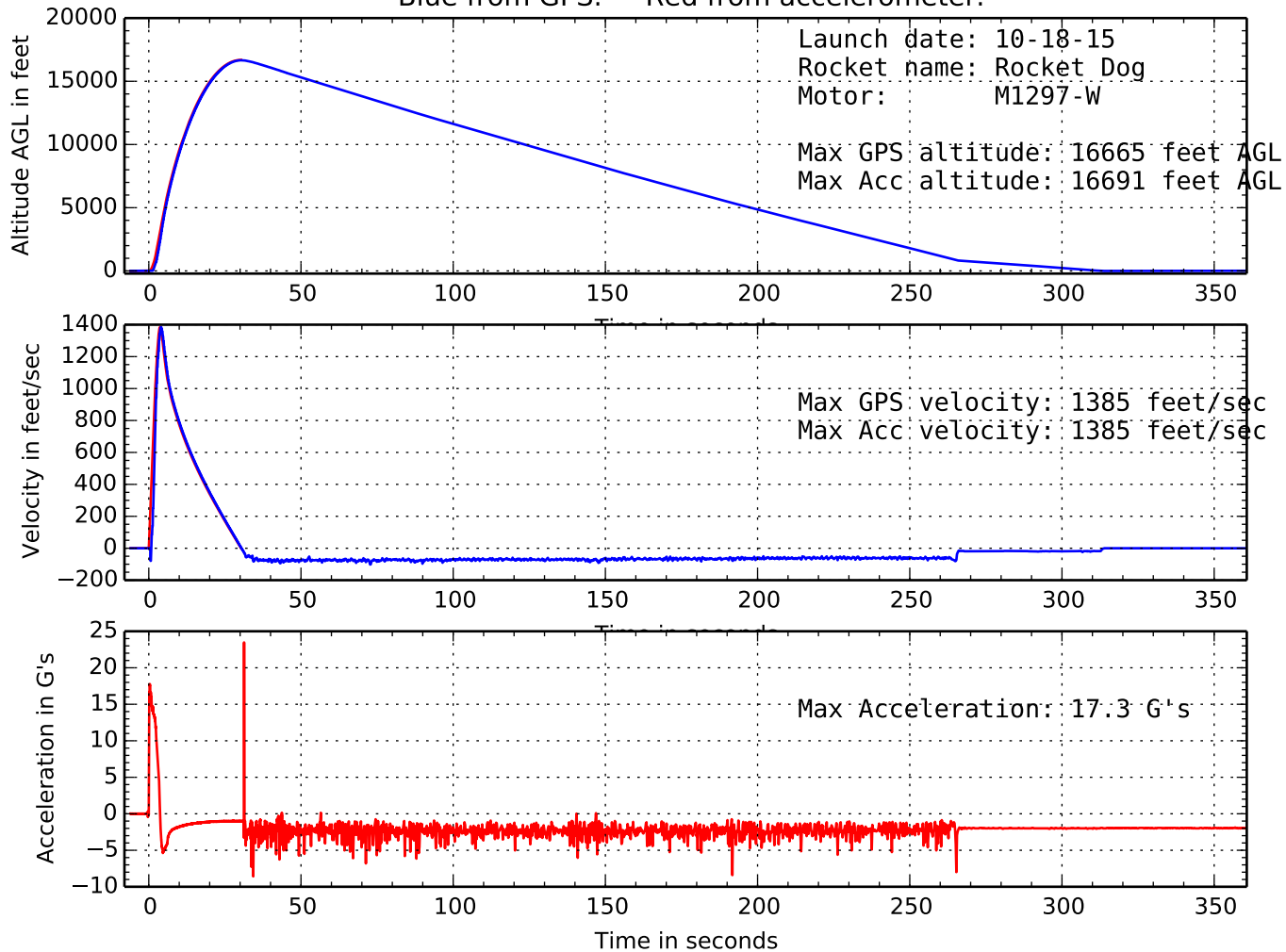
```

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:                               Flight Results                           :
-----
Max GPS altitude: 16665 feet AGL
Max Acc altitude: 16691 feet AGL
:
Max GPS velocity: 1385 feet/sec    944.3 mph    1.273 Mach
Max Acc velocity: 1385 feet/sec    944.3 mph    1.274 Mach
Max GPS Mach num: 1.282 Mach
:
Max Acceleration: 17.3 G's          556.4 feet/sec/sec
:
Motor burnout alt: 3016 feet AGL
Motor burn time:  3.7 sec (approx)
:
Distance to apogee: 2539 feet        0.48 miles
Bearing to apogee: 75 degrees        (from true north)
Ground speed at apogee: 66 feet/sec   45.0 mph
Heading at apogee: 64 degrees        (from true north)
:
Descent rate on drogue: 70 feet/sec   47.7 mph
Descent rate on main:  18 feet/sec   12.2 mph
Touch down velocity:  18 feet/sec   12.3 mph
:
Main chute deployed at: 830 feet AGL
:
Time to apogee: 30.3 sec
Time on drogue: 3 min 55.2 sec
Time on main: 48.0 sec
Total flight time: 5 min 13.5 sec
:
Lift off: 12:28:54.4 PDT    19:28:54.4 UTC
Apogee: 12:29:24.8 PDT    19:29:24.8 UTC
Touch down: 12:34:08.0 PDT 19:34:08.0 UTC
:
Launch pad coordinates: N 43° 48.0339' W 120° 38.9968'
Landing site coordinates: N 43° 48.8792' W 120° 38.4996'
:
Distance to landing site: 5588 feet    1.06 miles
Bearing to landing site: 23 degrees    (from true north)
Ground level: 4543 feet MSL
:
:
Liftoff      Apogee      Landing
Battery:     3.87v      3.85v      3.84v
Temperature: 60°F      61°F      63°F
:
Transmitter: Mx110A0243  Firmware: 2.0.0.0
:
This data came from transmitter flash memory.

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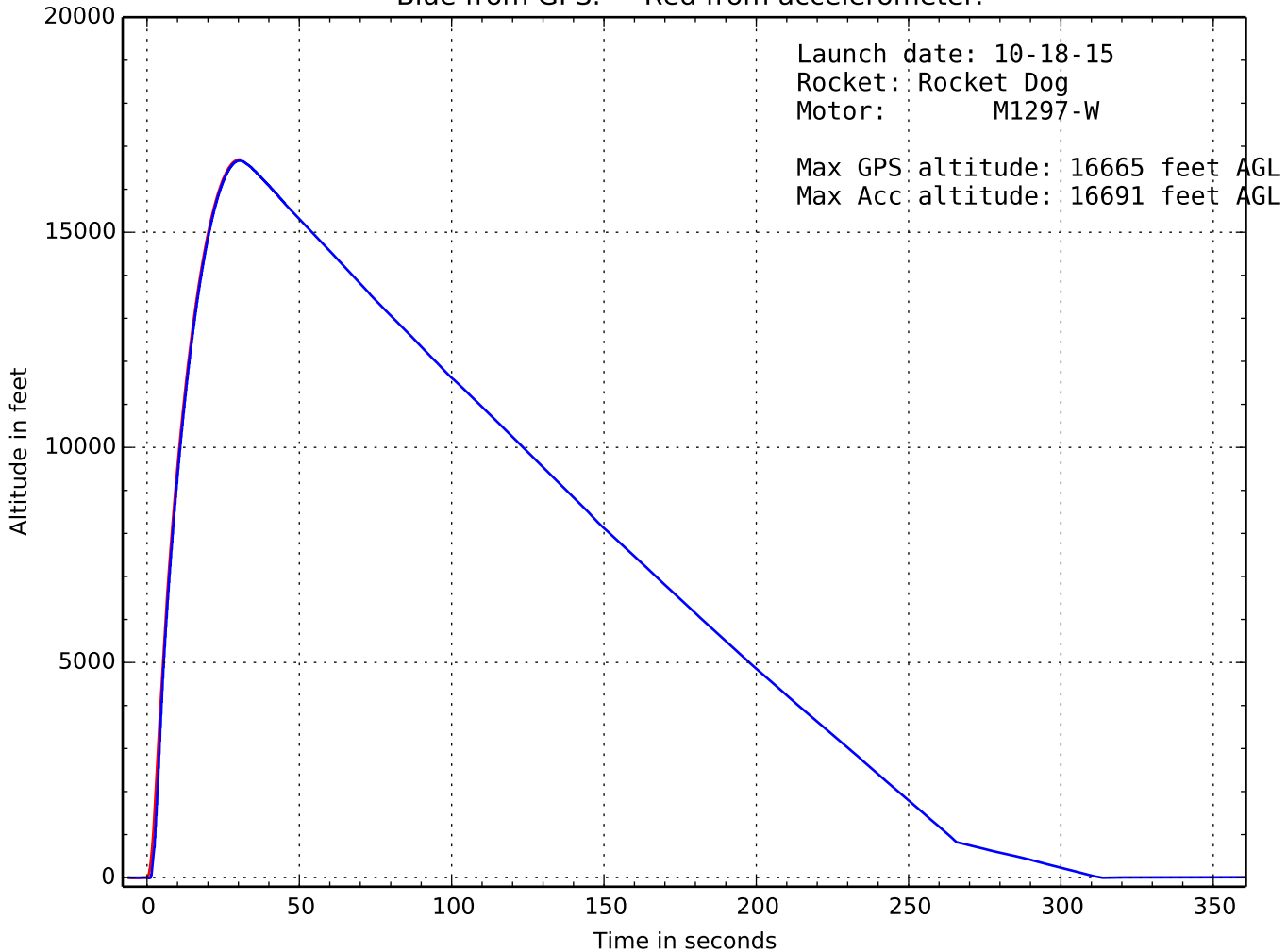
# Altitude, Velocity, and Acceleration

Blue from GPS. Red from accelerometer.



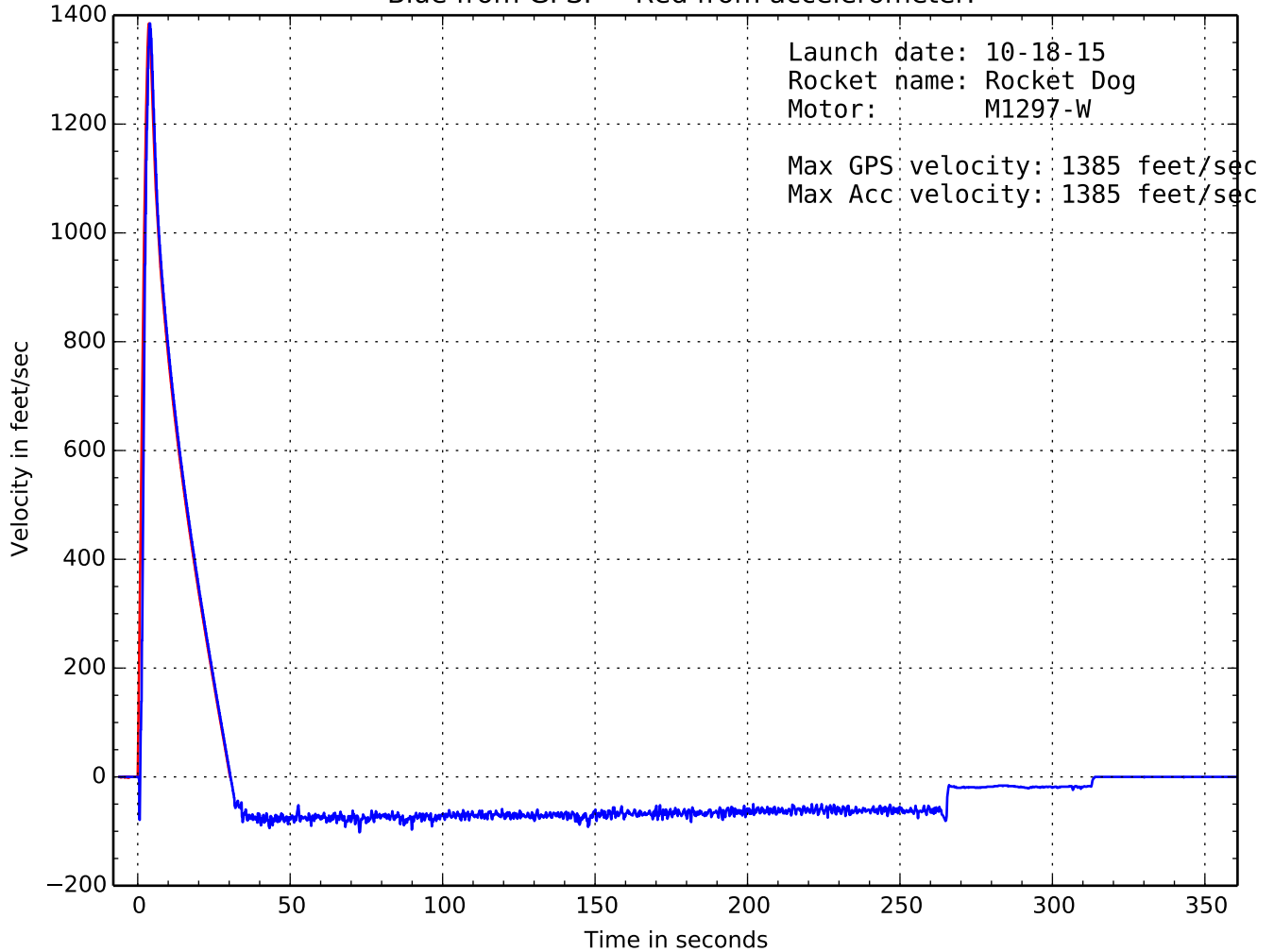
# Altitude AGL

Blue from GPS. Red from accelerometer.

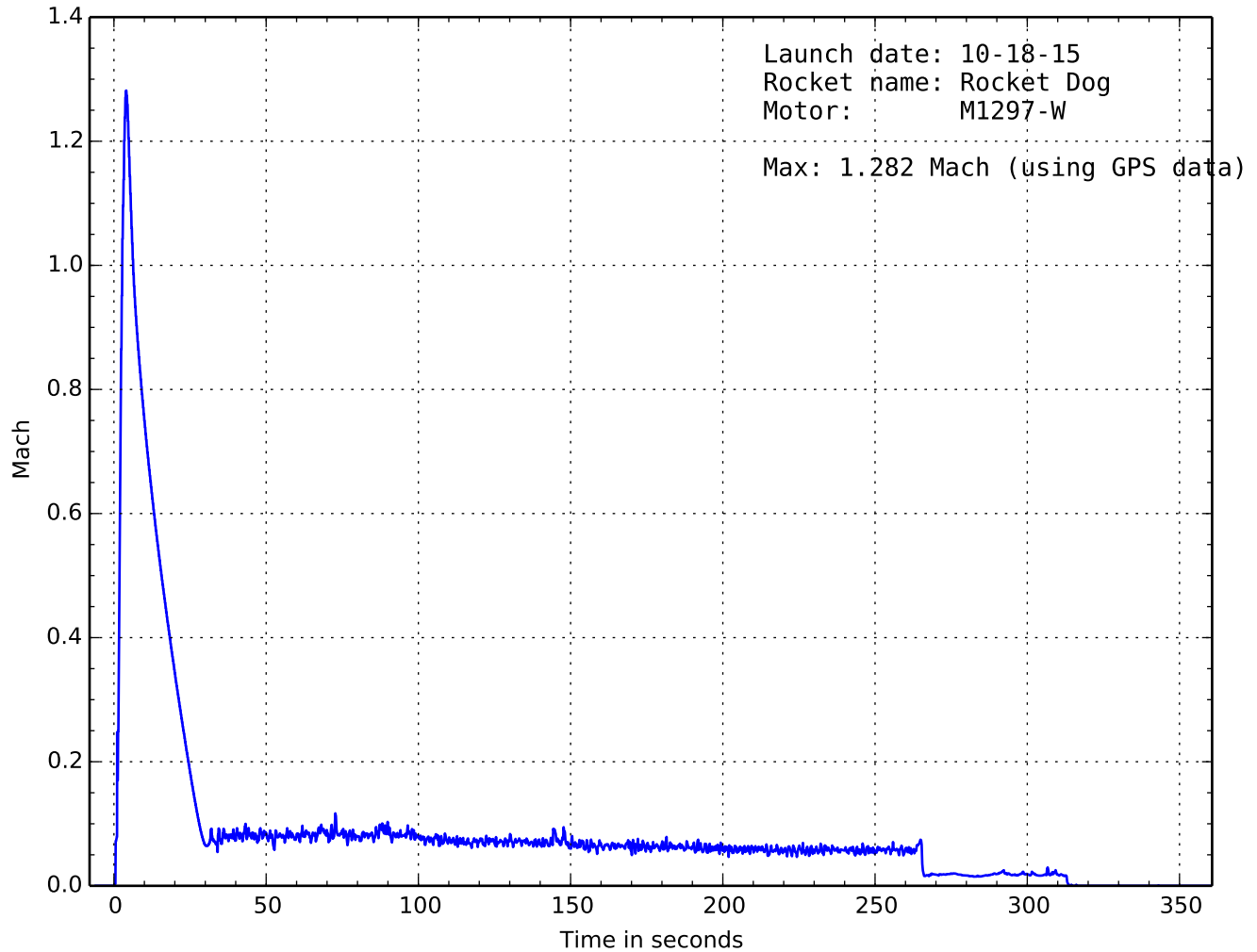


# Vertical Velocity

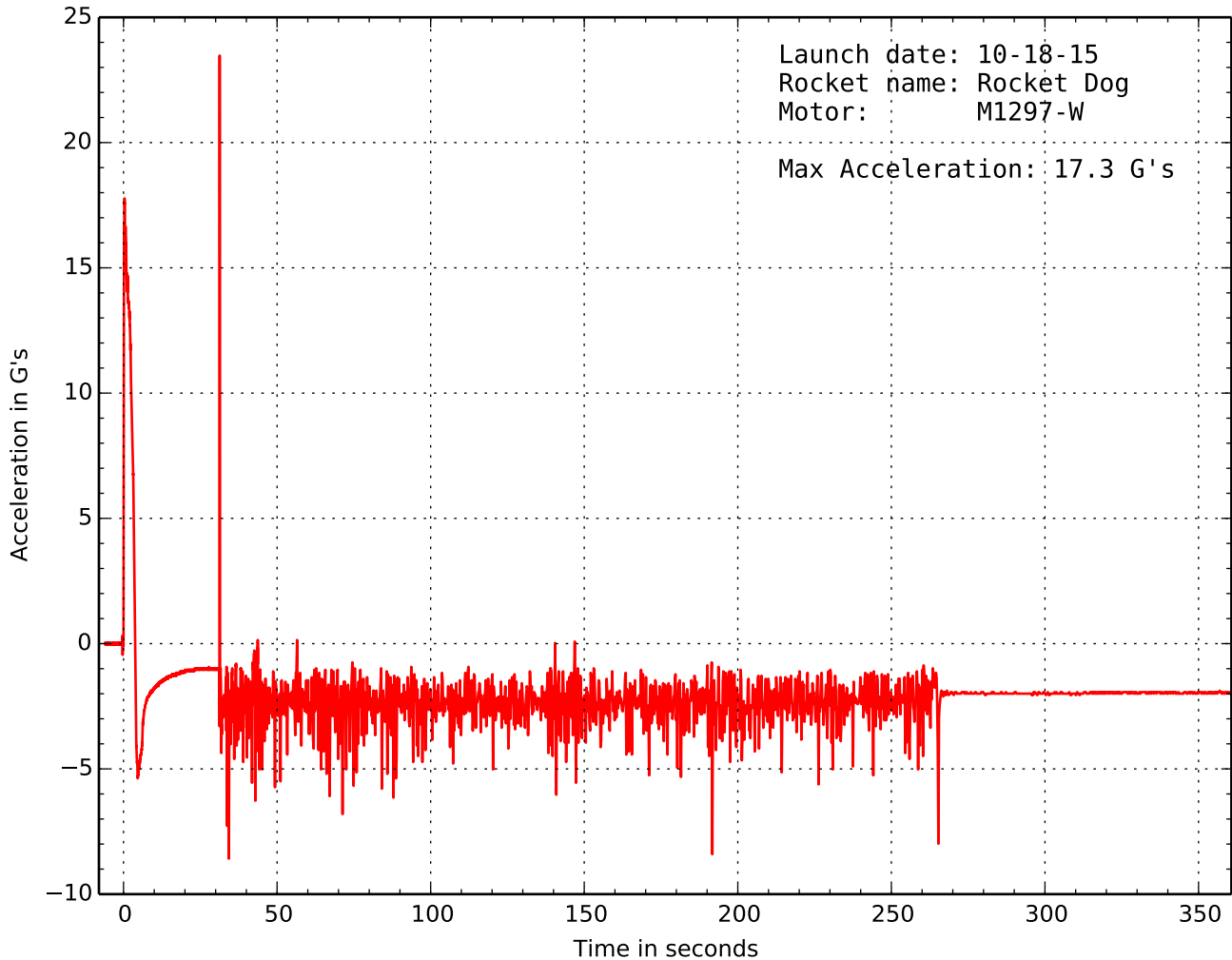
Blue from GPS. Red from accelerometer.



# 3D Velocity in Mach

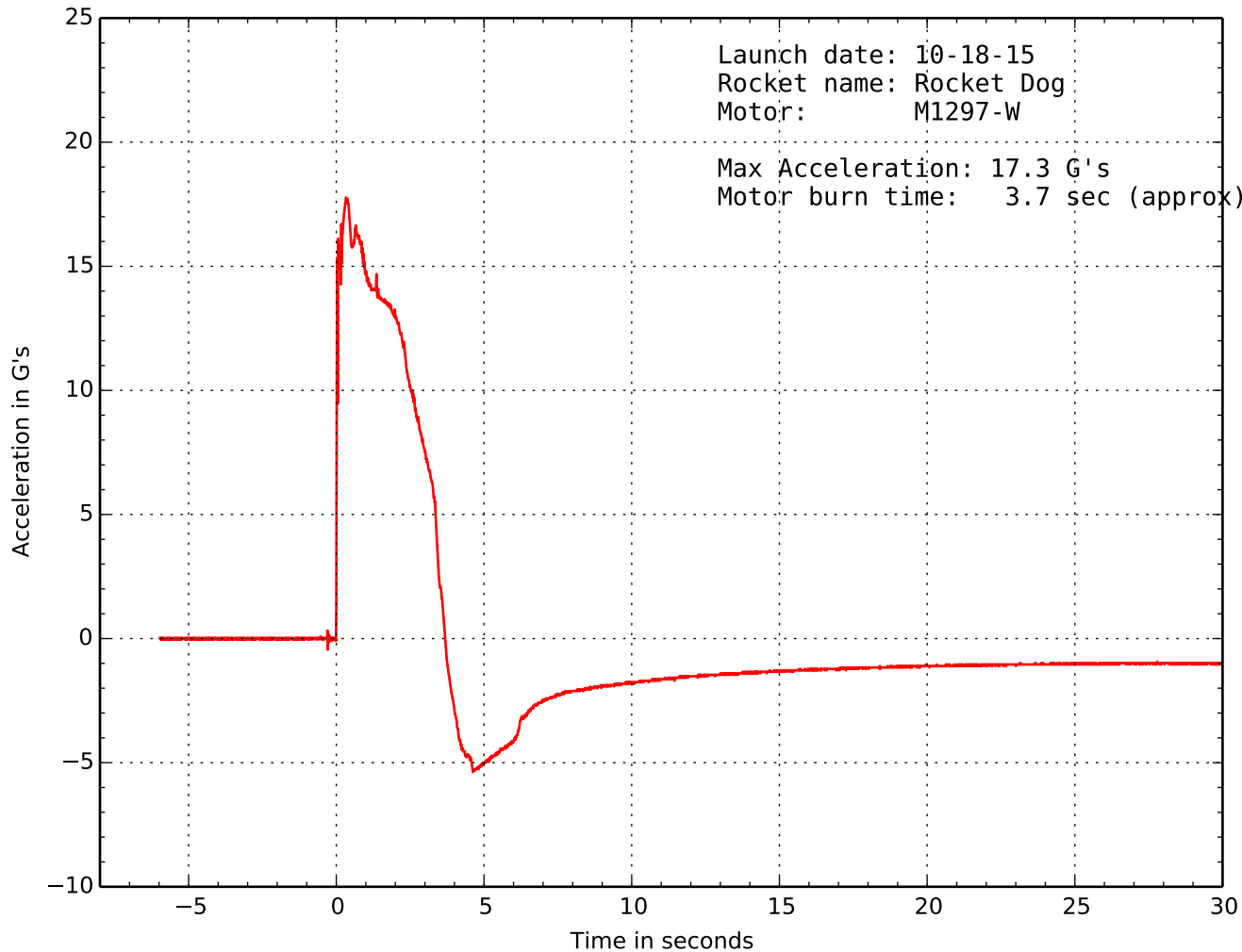


# Acceleration -- Full Flight

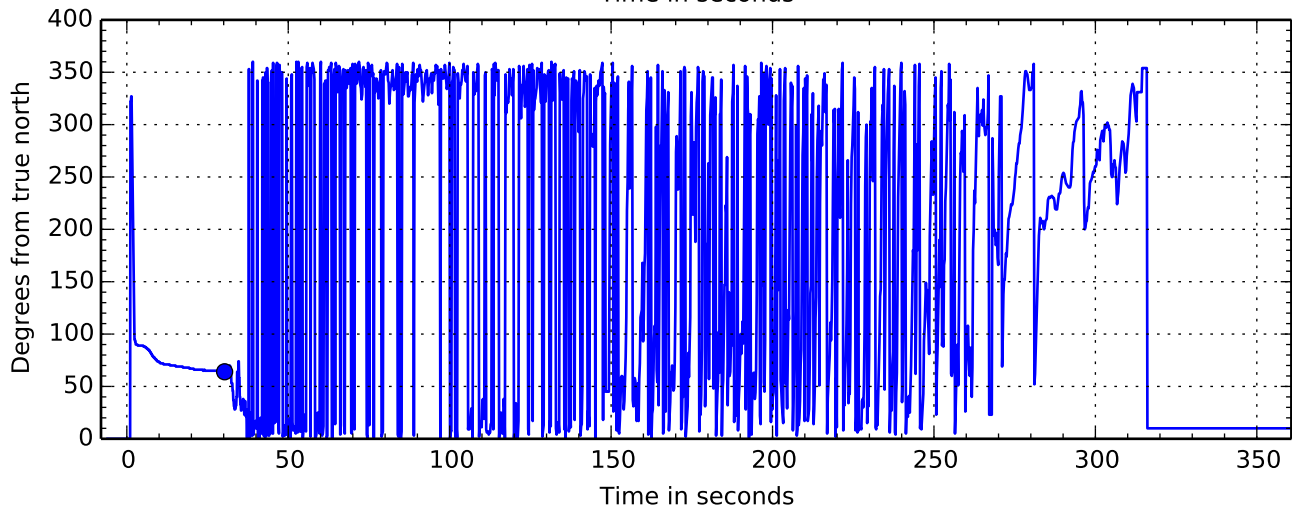
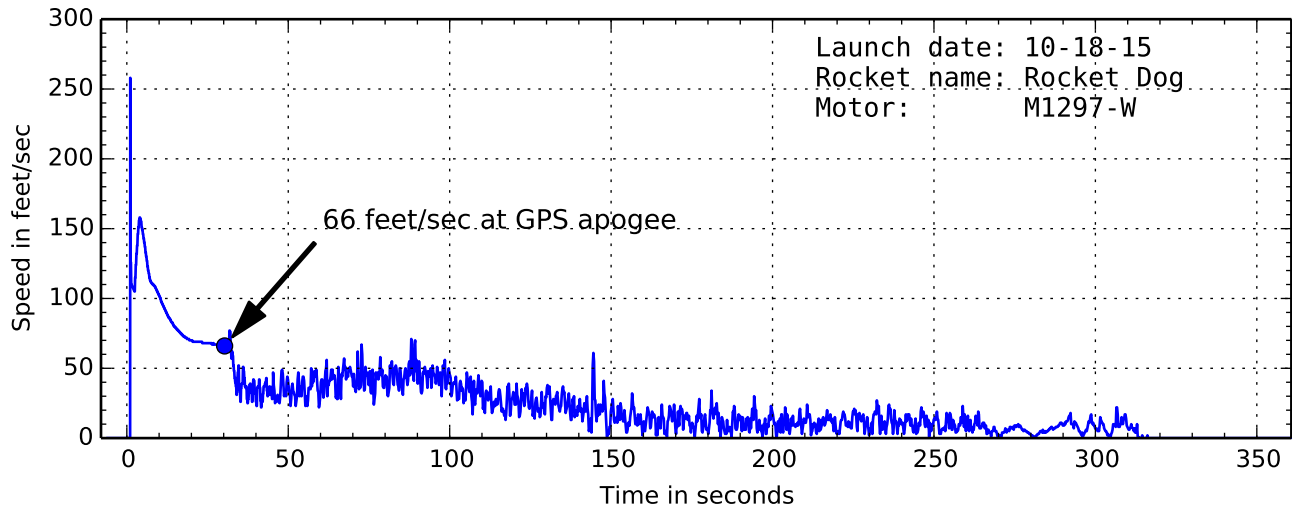


# Acceleration -- Boost Phase

Launch date: 10-18-15  
Rocket name: Rocket Dog  
Motor: M1297-W  
Max Acceleration: 17.3 G's  
Motor burn time: 3.7 sec (approx)



# Ground Speed and Heading





# Number of Satellites and GPS Status

