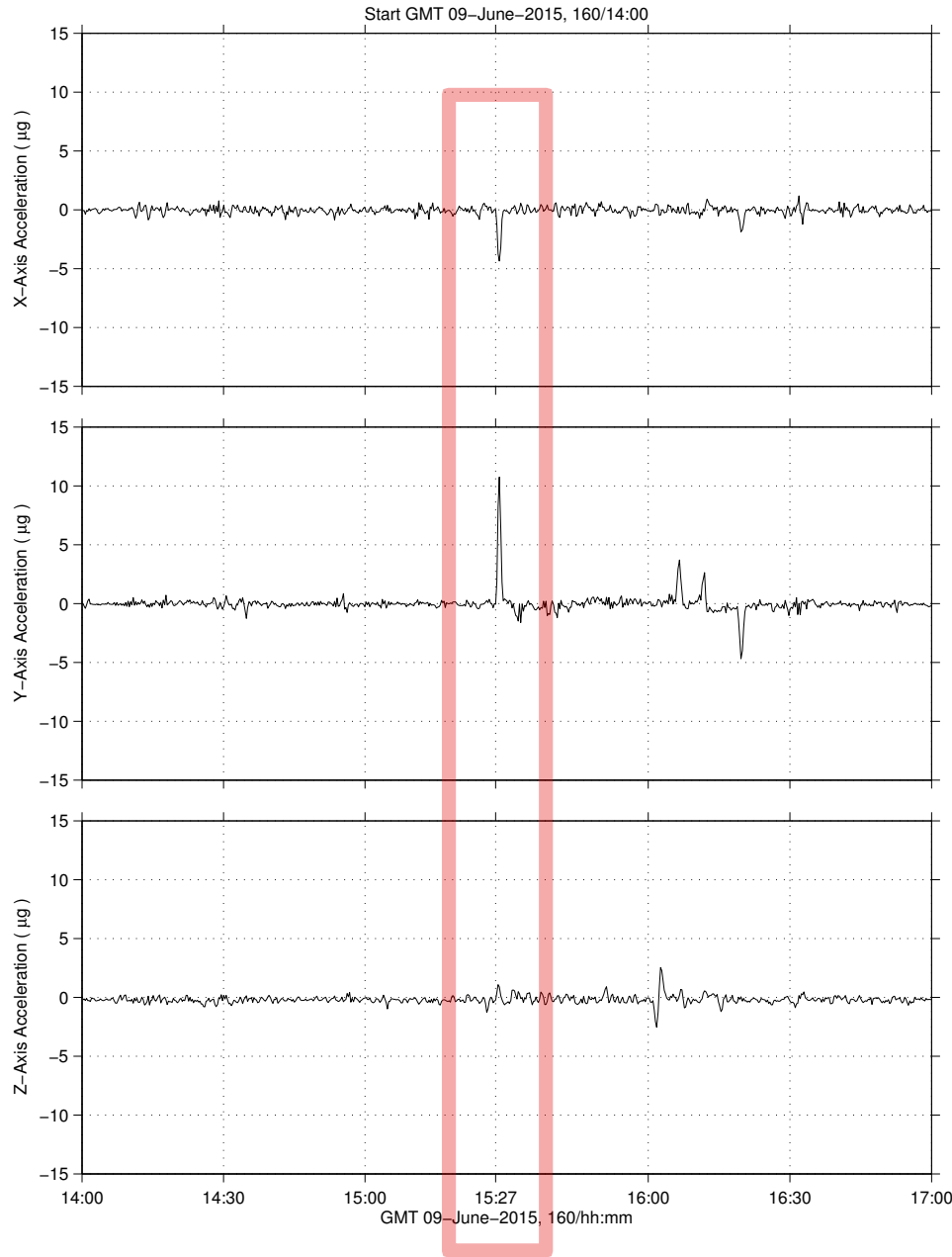


# Unexpected Torque Event 2015-06-09



## Description

Sensor	MAMS ossbtmf 0.0625 sa/sec, 0.01 Hz
Location	LAB1O2, ER1, Lockers 3,4
Plot Type	Acceleration vs. Time

## Notes:

- This plot of MAMS OSS data shows X-, Y-, and Z-axis acceleration versus time plots around the time of an unexpected torque event.
- Note the relatively large accelerations on the X-, and Y-axis indicating a rotation (torque) about the Z-axis.
- Peak amplitude measured by MAMS OSS was about 10  $\mu\text{g}$  on the Y-axis.
- It was later found that this torque was due to Soyuz thruster firings while the ISS was in Auto-Track.

Regime:	Vibratory
Category:	Vehicle
Source:	Unexpected Torque Event 2015-06-09

