

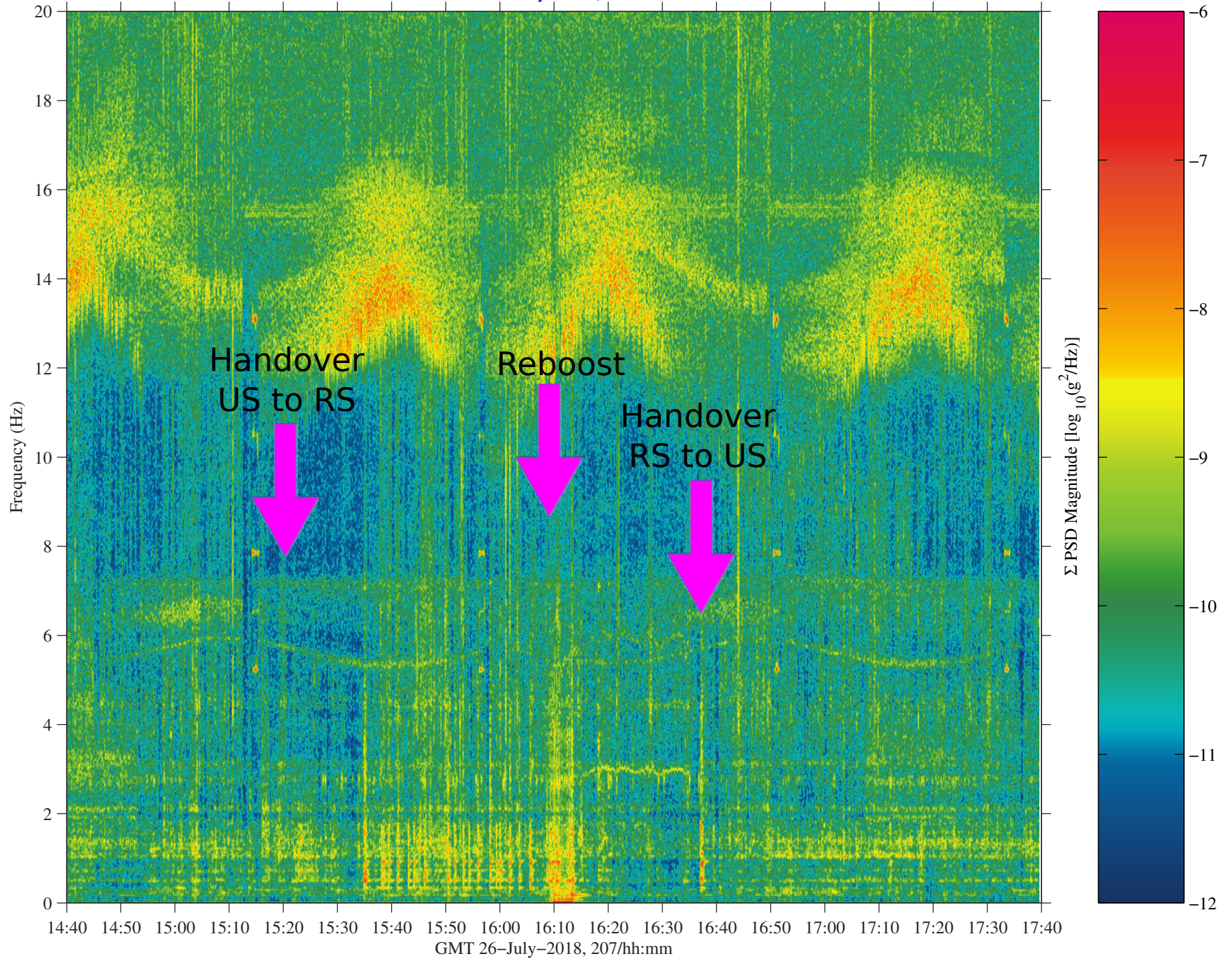
# **Progress 69P Reboost**

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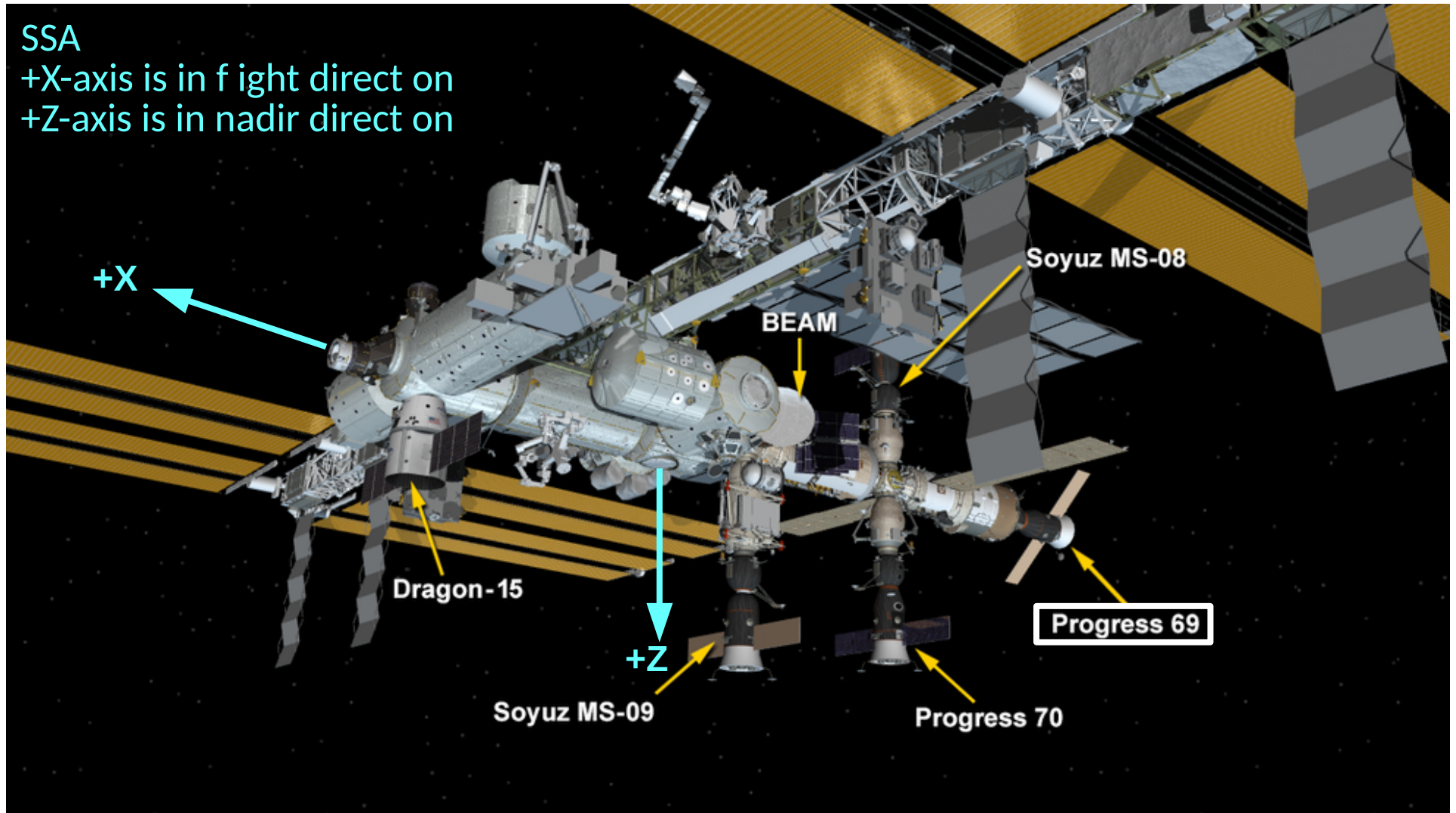
Thursday, July 26, 2018

At GMT 16:10, the ISS completed a ~3m 19s reboost using the Progress 69P thrusters. The objective was to start phasing for the Soyuz 54S landing and the Soyuz 55S launch in October 2018. The ISS velocity increased by 0.40 meters per second.

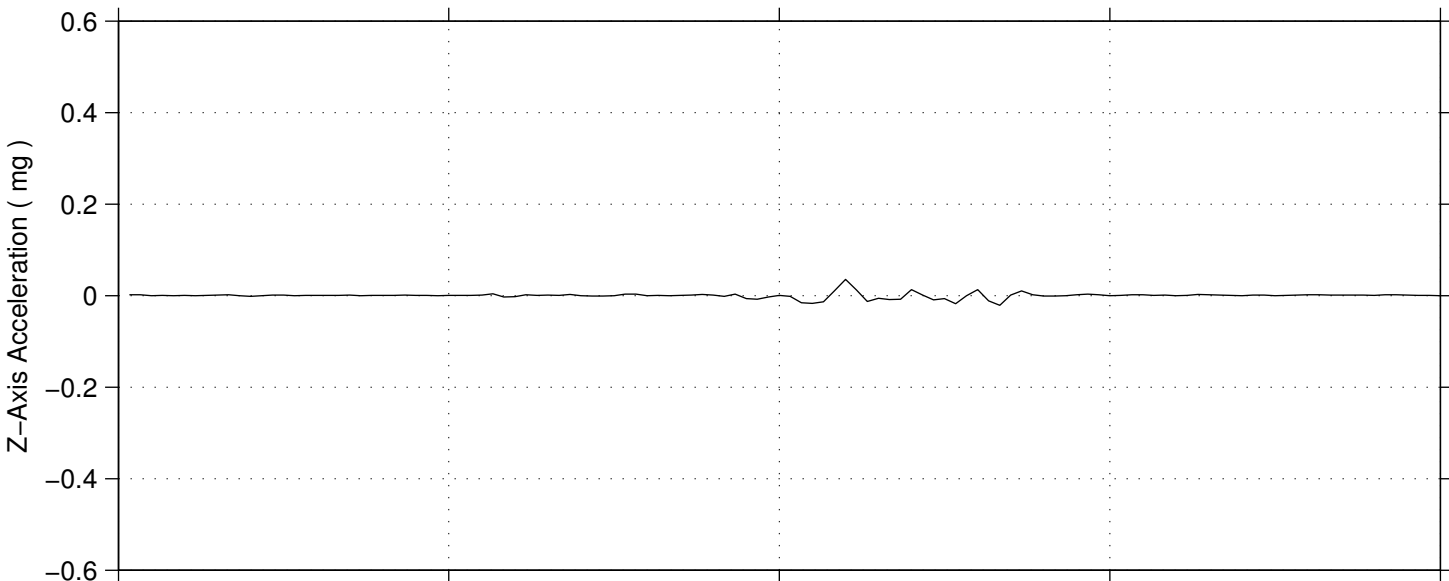
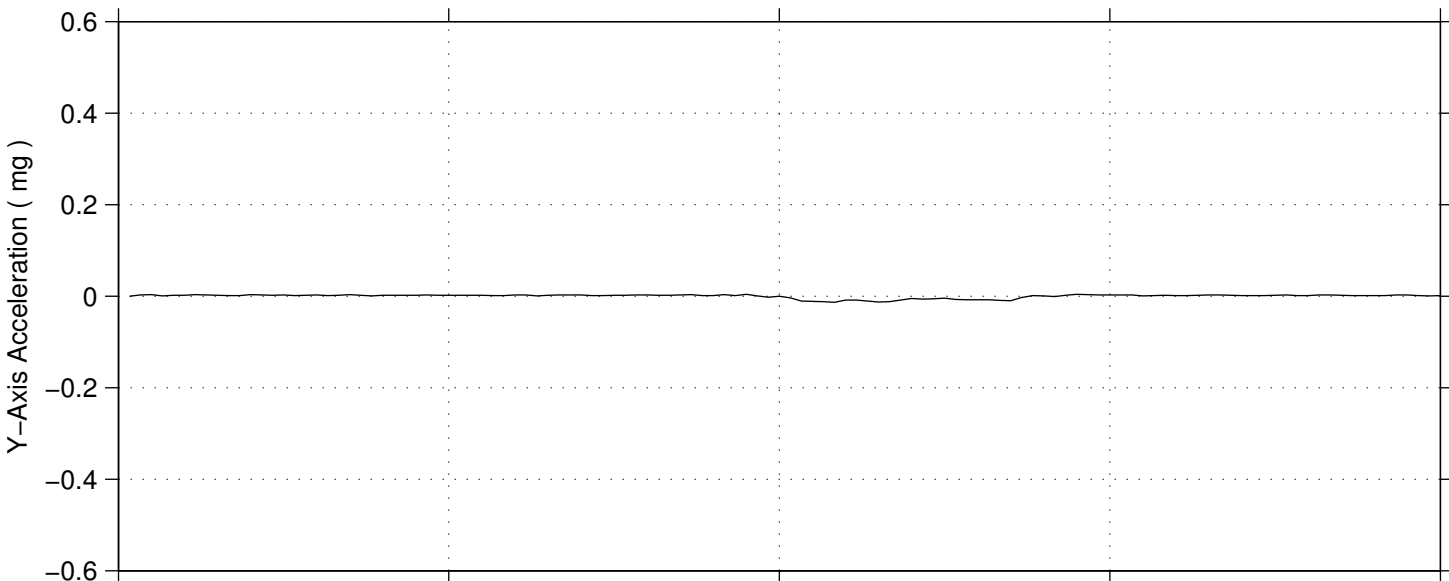
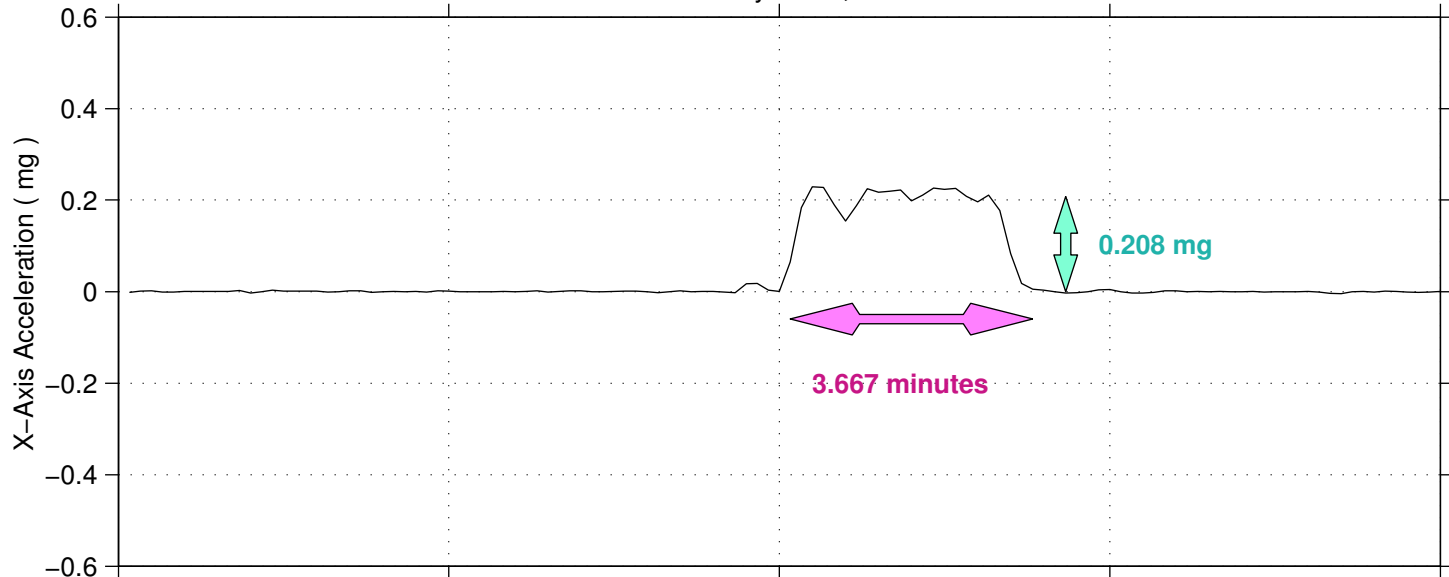
This was to be the first in a series of 3 reboosts to ultimately achieve proper phasing for those later flights.



# Progress 69P Alignment in Space Station Analysis (SSA) Coordinates



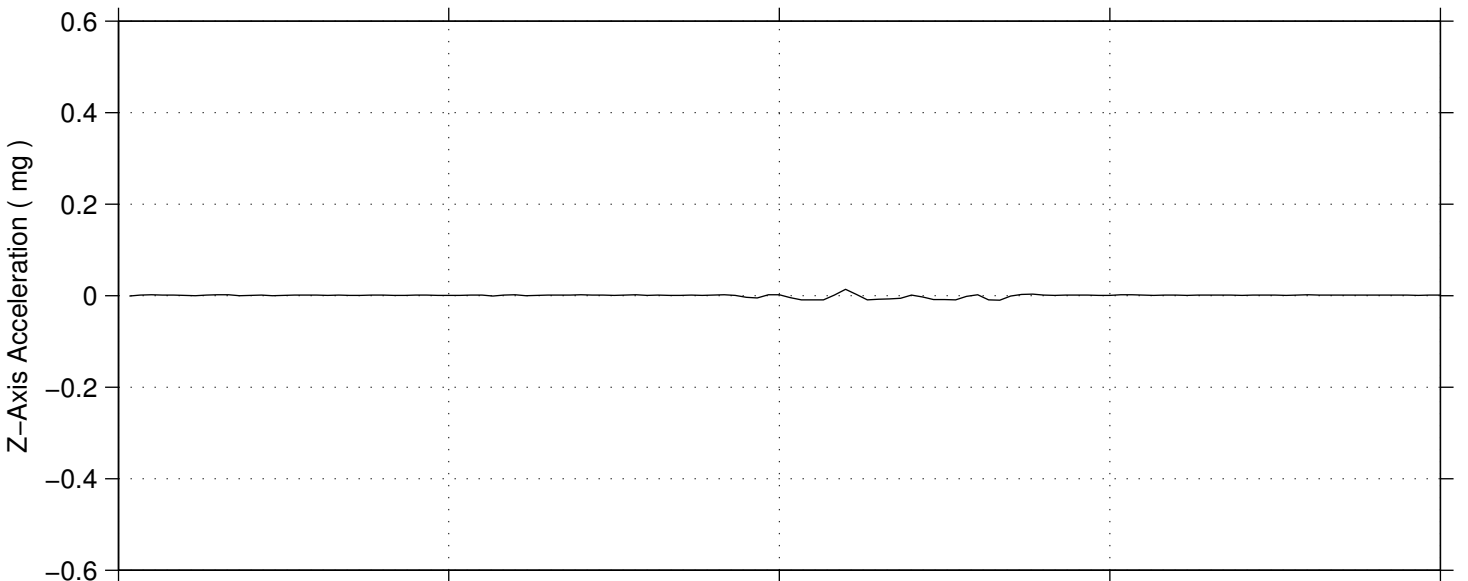
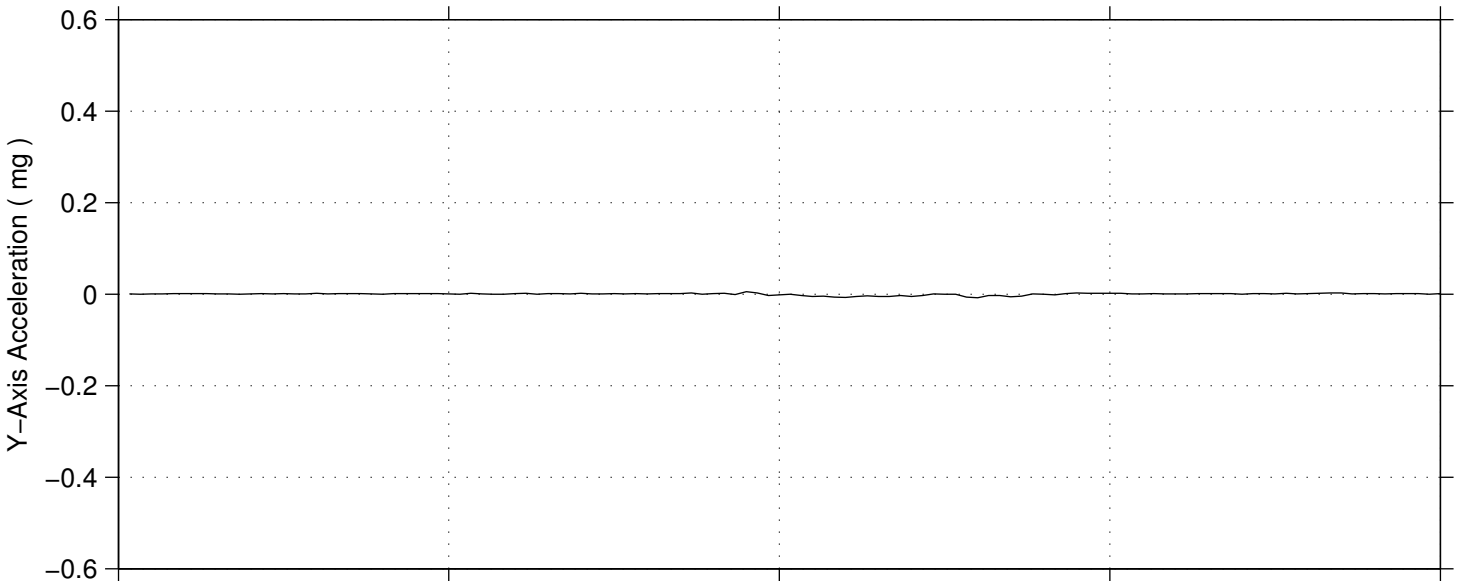
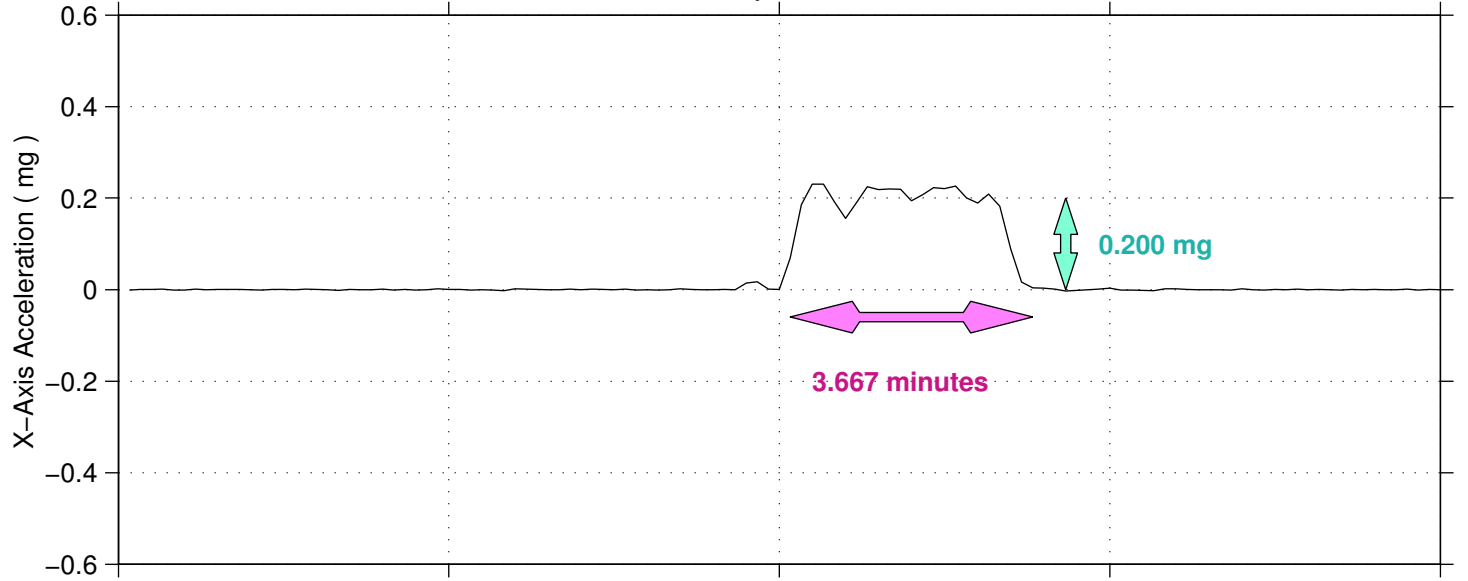
Start GMT 26-July-2018, 207/16:00:03



16:00:03                      16:05:03                      16:10:03                      16:15:03                      16:20:03

GMT 26-July-2018, 207/hh:mm:ss

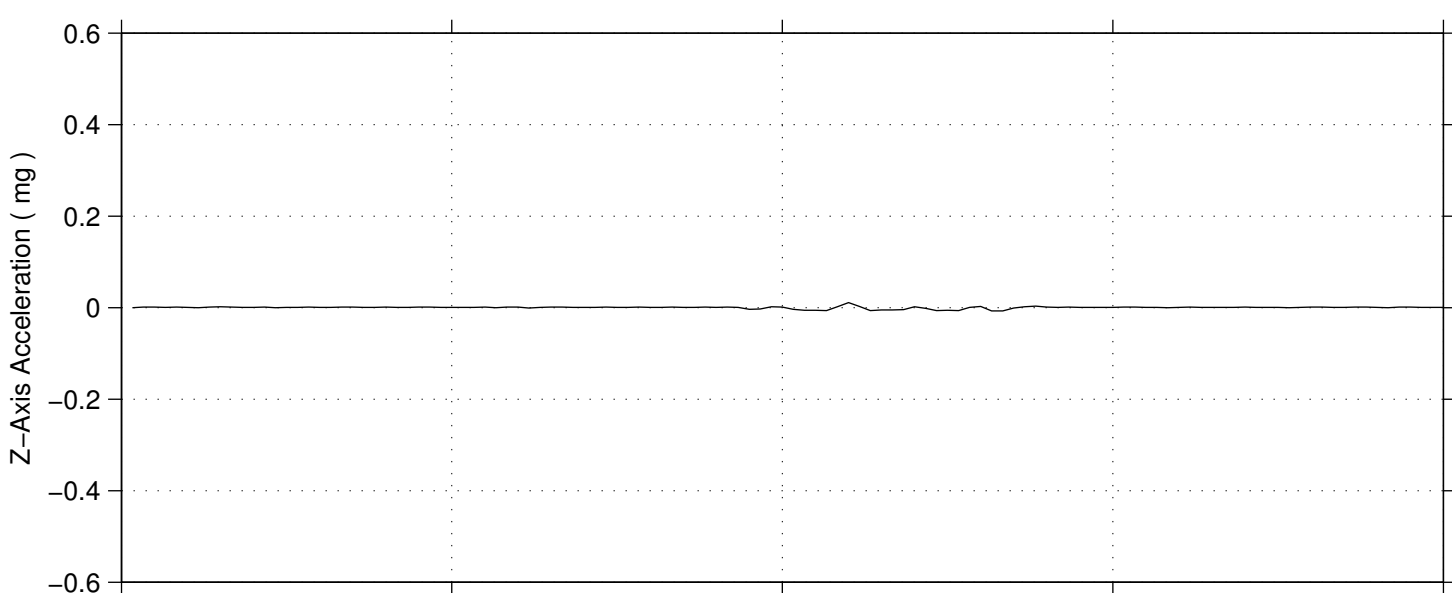
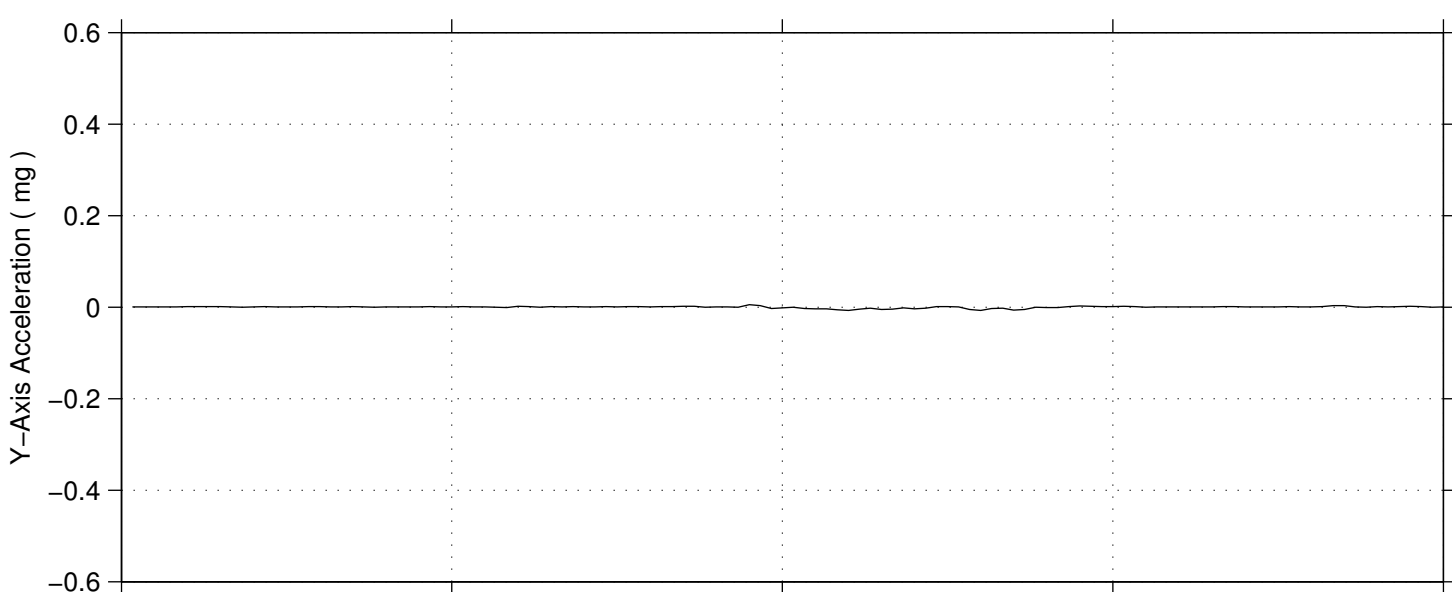
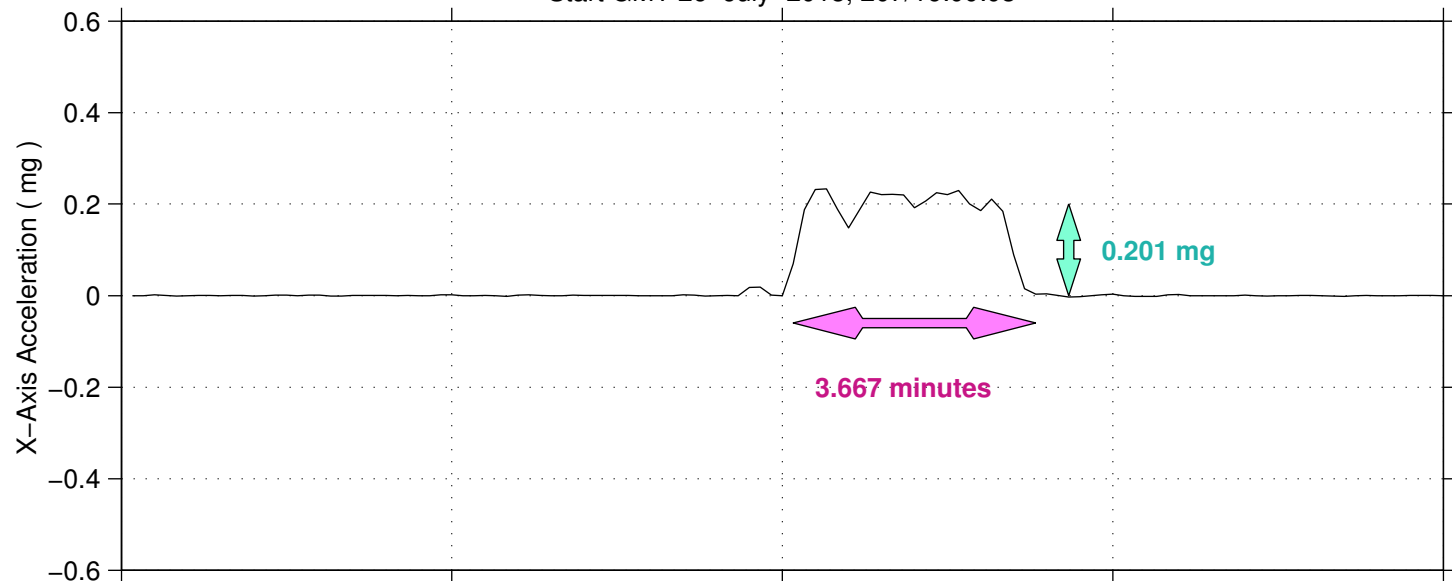
Start GMT 26-July-2018, 207/16:00:03



16:00:03 16:05:03 16:10:03 16:15:03 16:20:03

GMT 26-July-2018, 207/hh:mm:ss

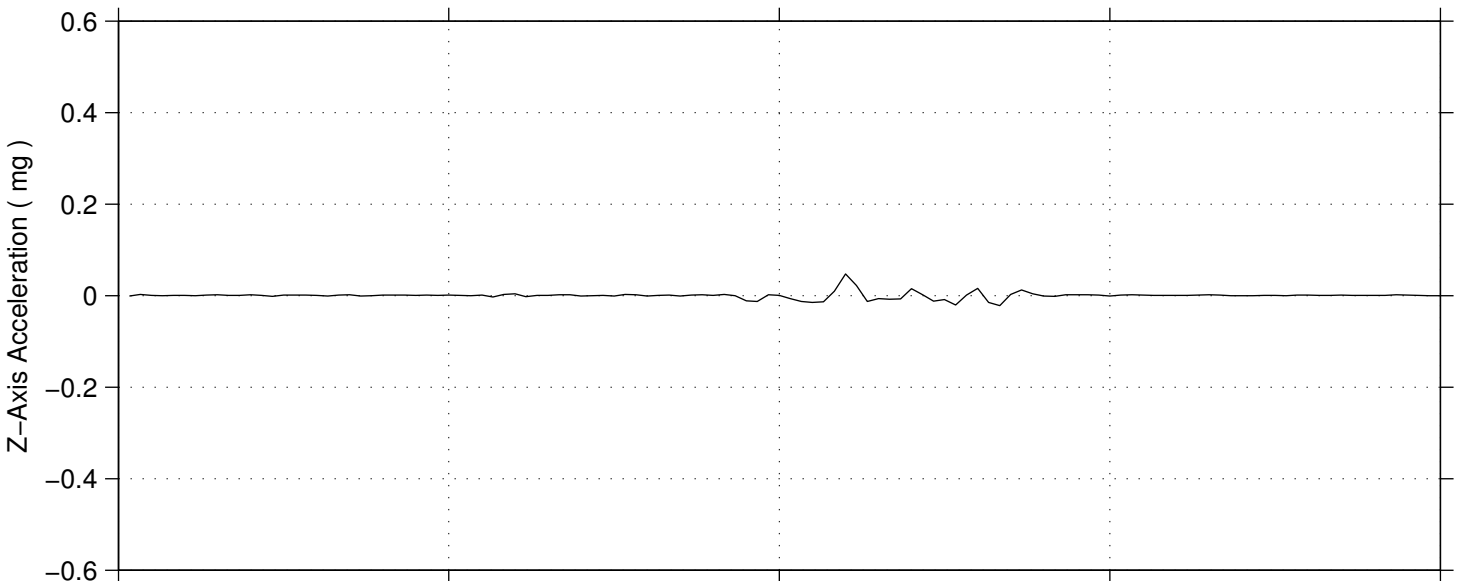
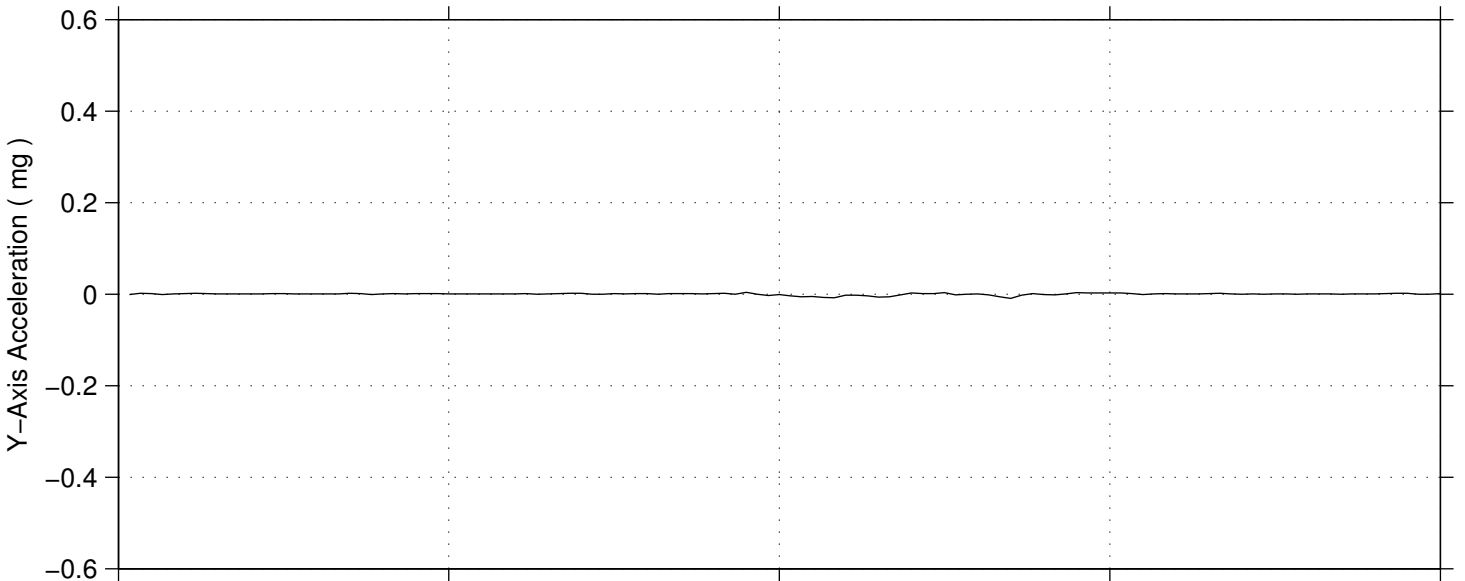
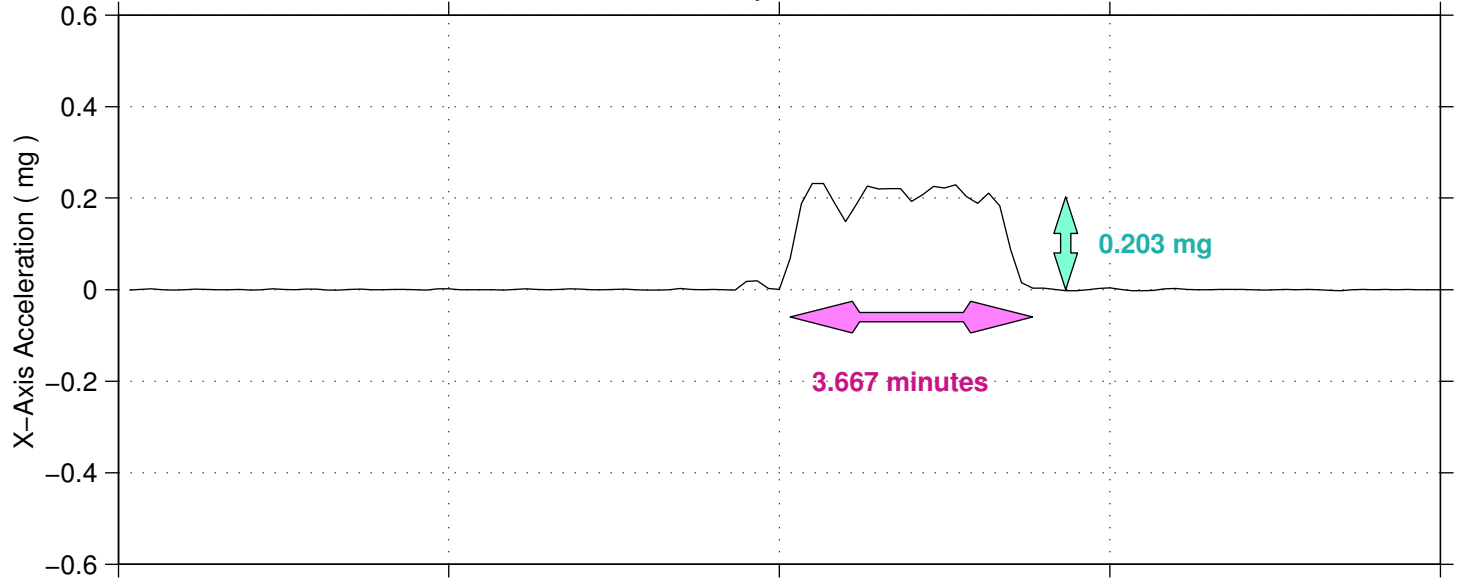
Start GMT 26-July-2018, 207/16:00:03



16:00:03 16:05:03 16:10:03 16:15:03 16:20:03

GMT 26-July-2018, 207/hh:mm:ss

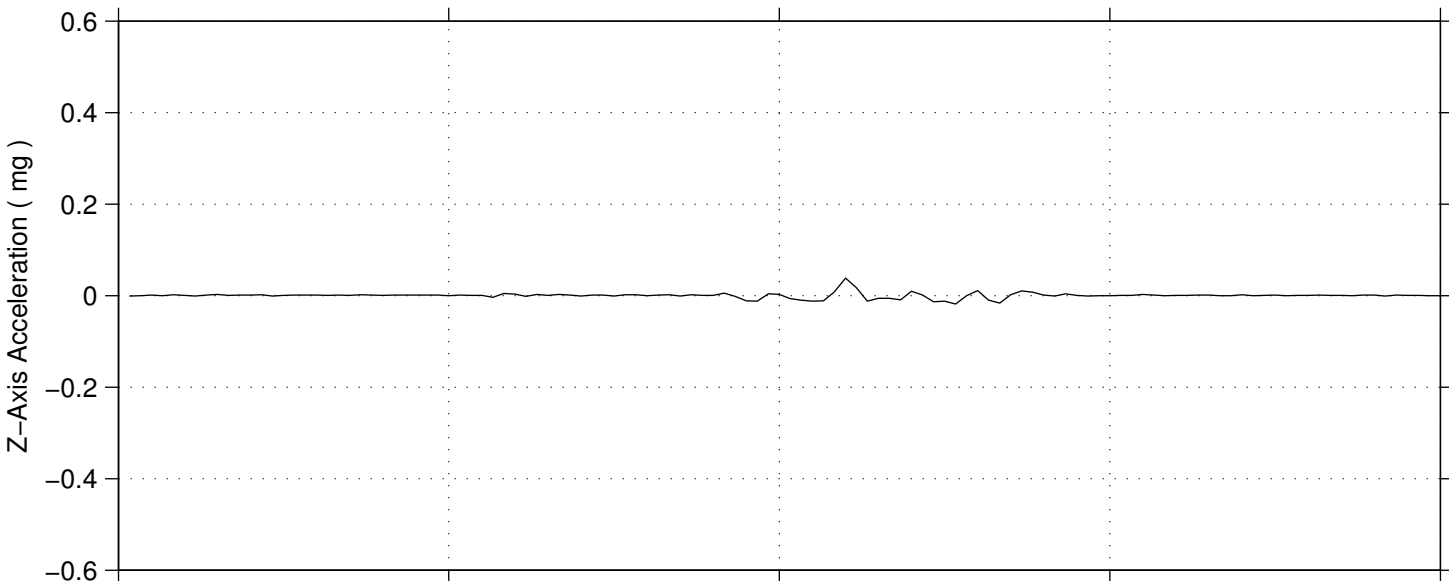
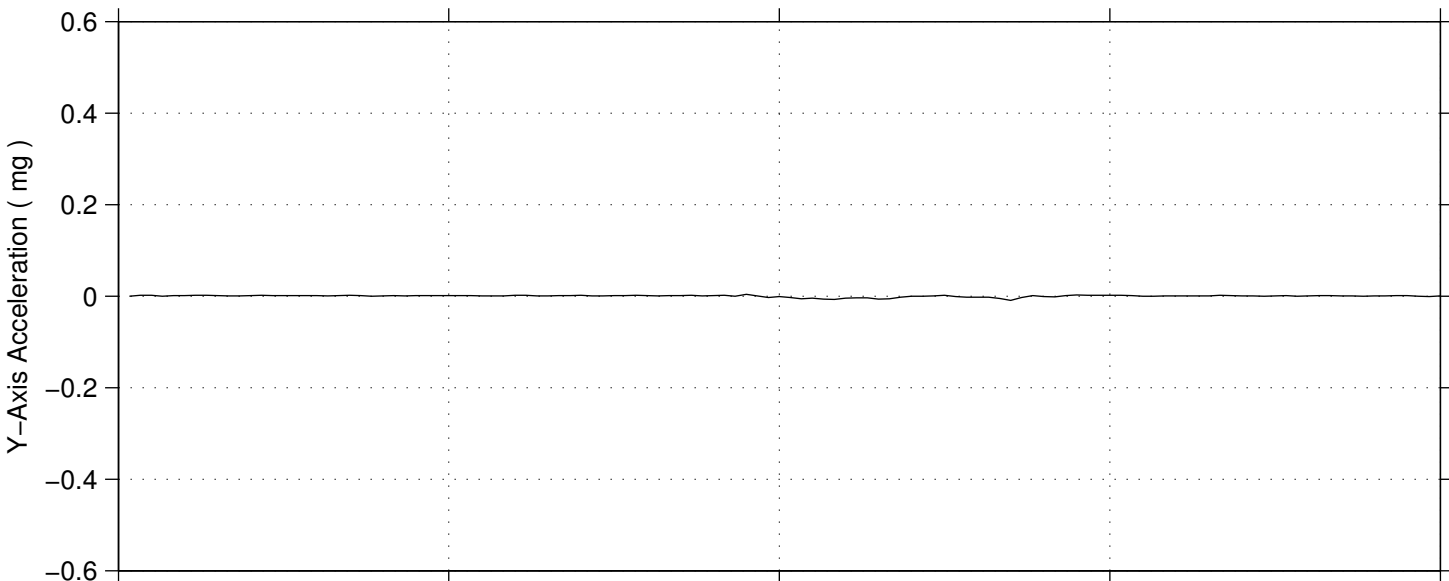
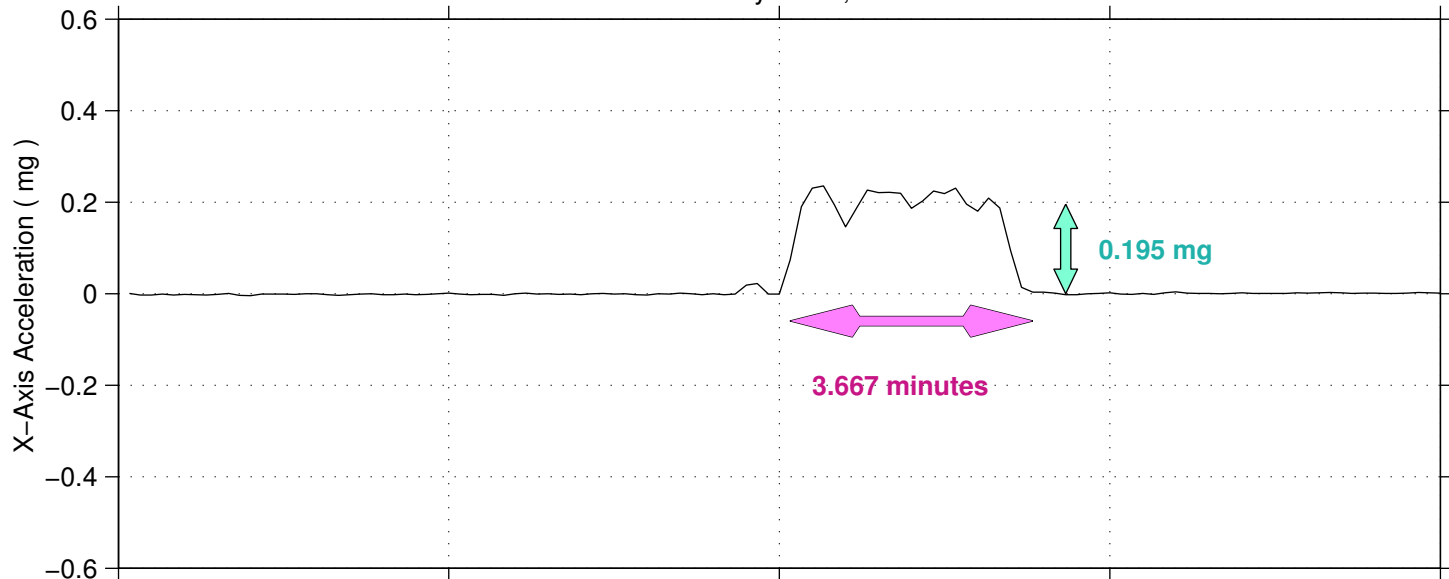
Start GMT 26-July-2018, 207/16:00:03



16:00:03 16:05:03 16:10:03 16:15:03 16:20:03

GMT 26-July-2018, 207/hh:mm:ss

Start GMT 26-July-2018, 207/16:00:03



16:00:03                      16:05:03                      16:10:03                      16:15:03                      16:20:03

GMT 26-July-2018, 207/hh:mm:ss



# Progress 69P Reboost

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Calculations based on measurements made by the SAMS sensor (121f03) mounted on EXPRESS Rack 2 in the US LAB indicate a **delta V of 0.40 meters/second** for the ISS.

Representative acceleration values during the reboost step from each SAMS sensor's X-axis were as follows:

121f02	0.208	mg	JPM1A6	(RMS Console)
121f03	0.200	mg	LAB101	(ER2)
121f04	0.201	mg	LAB1P2	(ER7)
121f05	0.203	mg	JPM1F1	(ER5)
121f08	0.195	mg	COL1A3	(EPM)