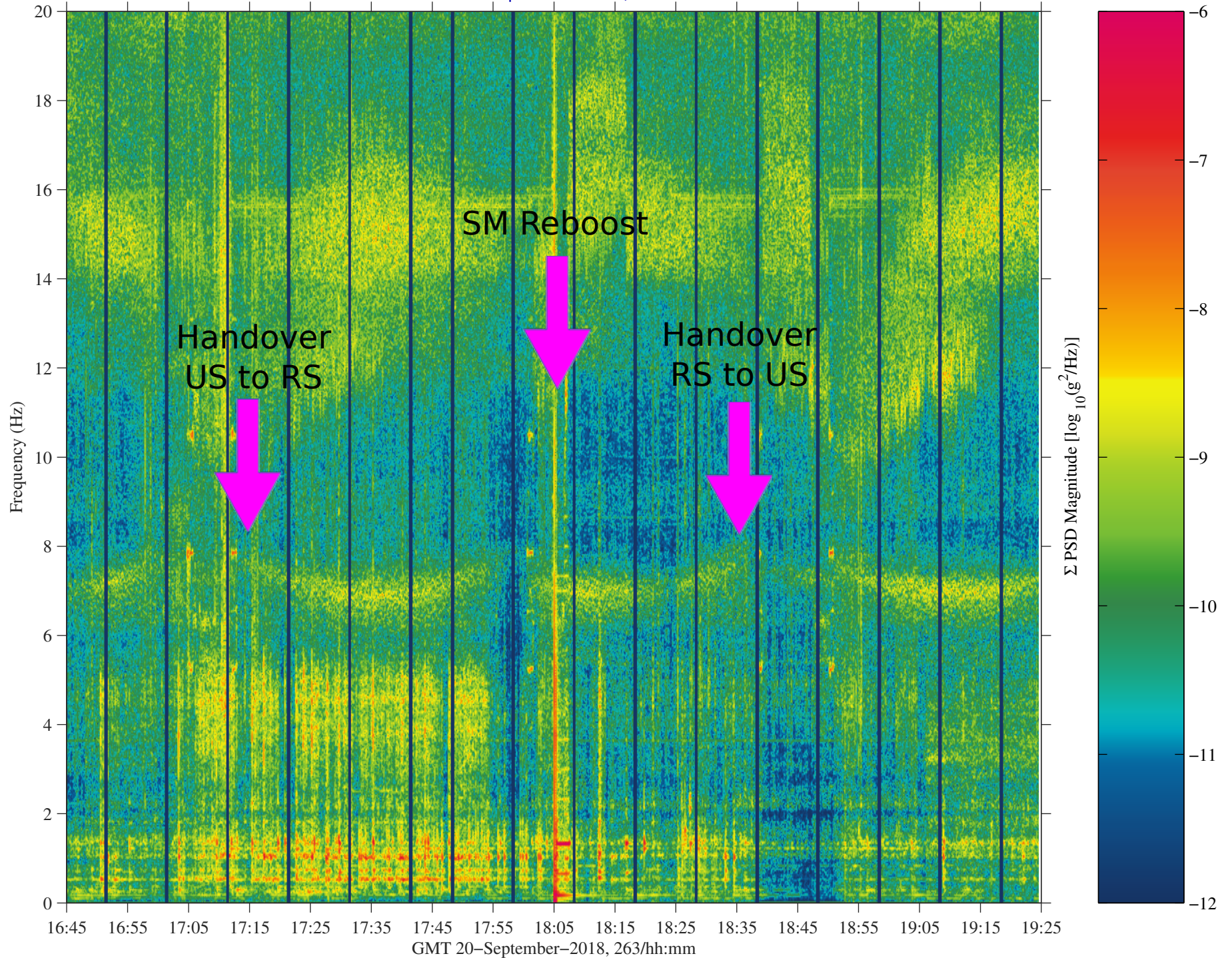


Zvezda Service Module (SM) Reboost

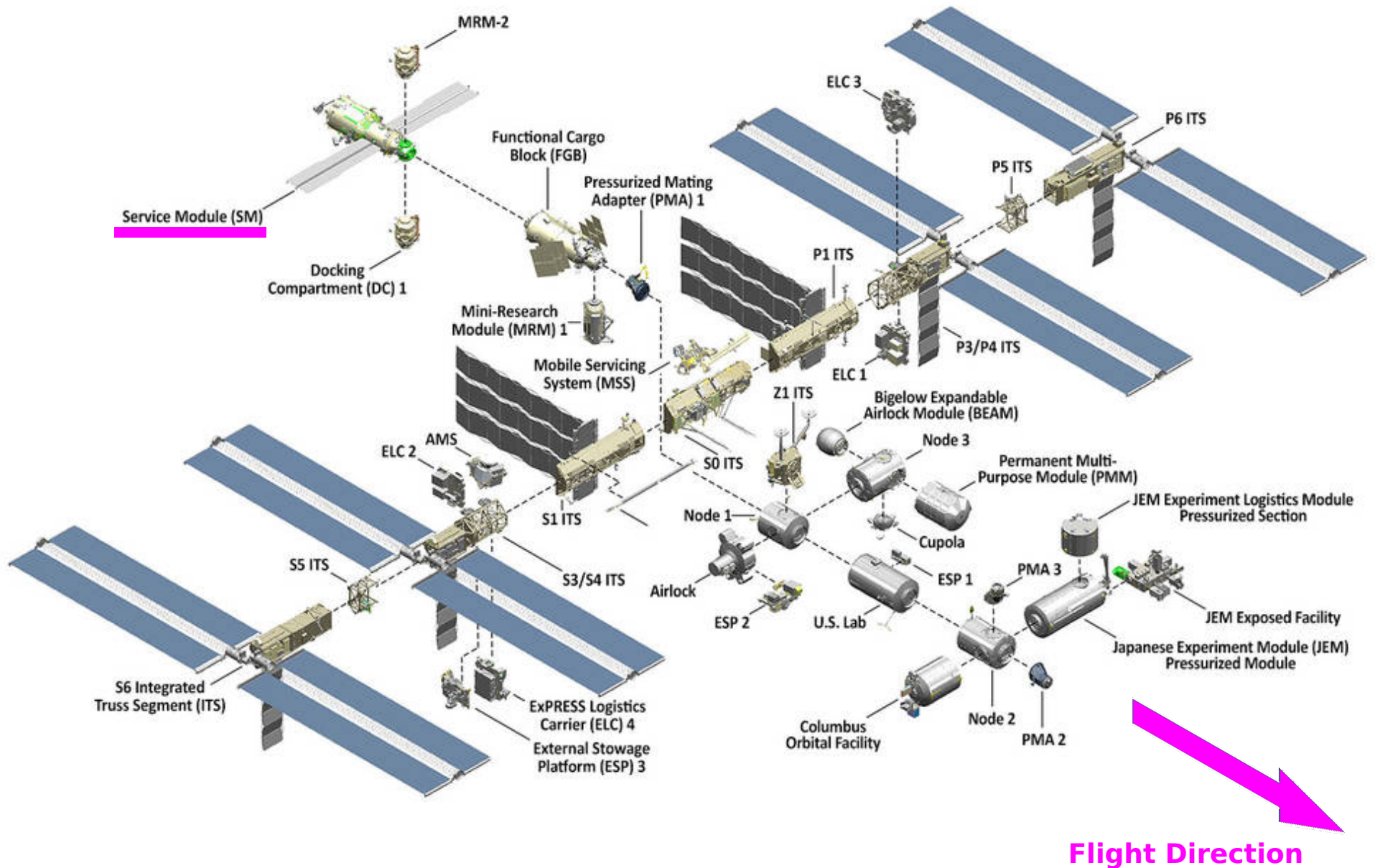
GMT 2018/263

Thursday, Sept. 20, 2018

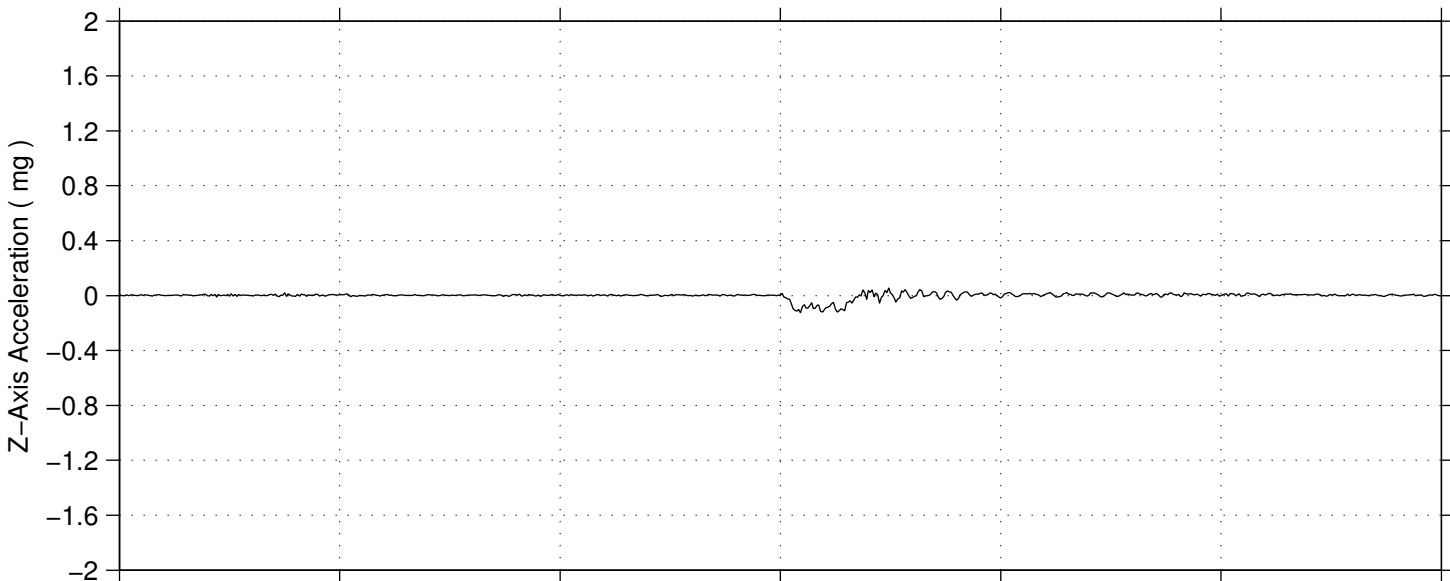
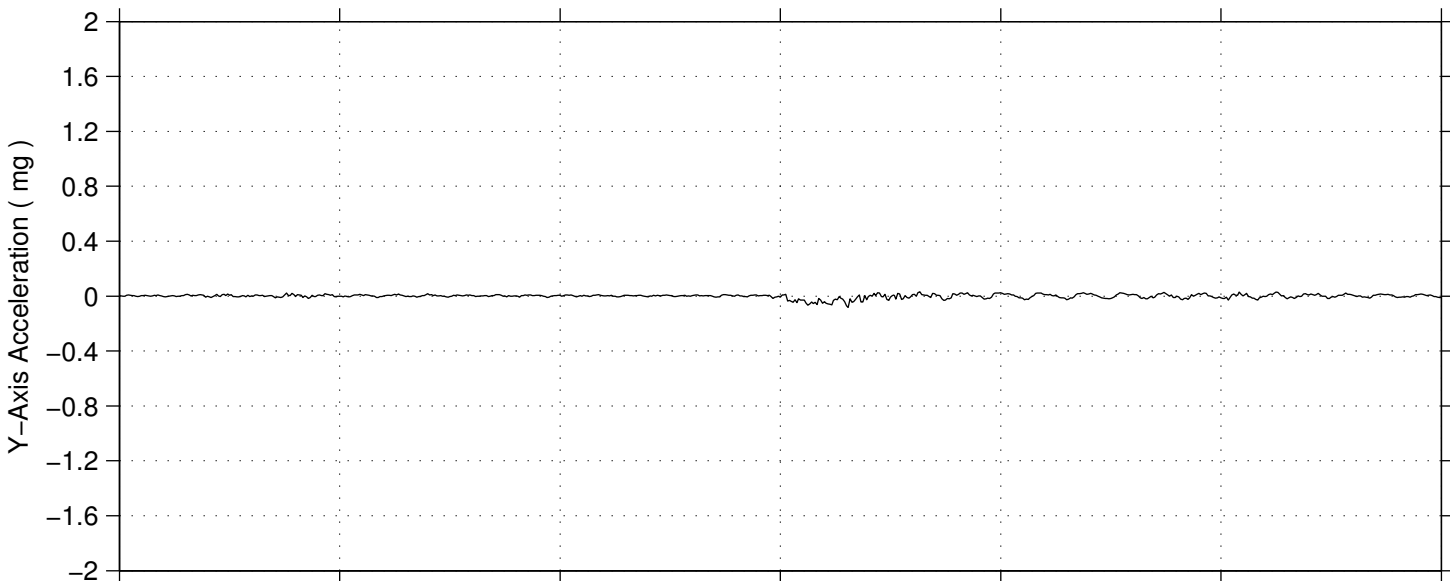
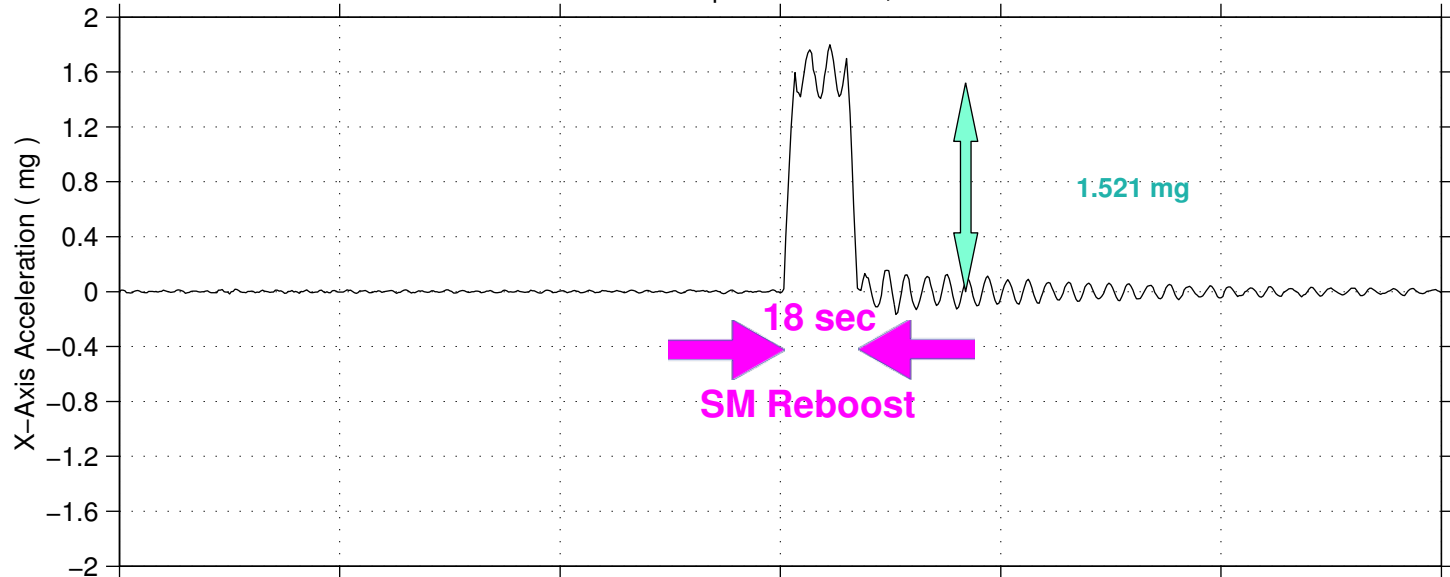
At GMT 18:05, the ISS completed a ~17s reboost using the SM main engine. This reboost is the final reboost in a series of three burns to set up proper phasing for 54S landing on October 4th and 56S launch, which will use the 4-orbit rendezvous profile, on October 11th. The ISS velocity increased by 0.27 meters per second (m/s) and the height of the ISS orbit increased by 0.49 kilometers (km).



Zvezda Service Module (SM)



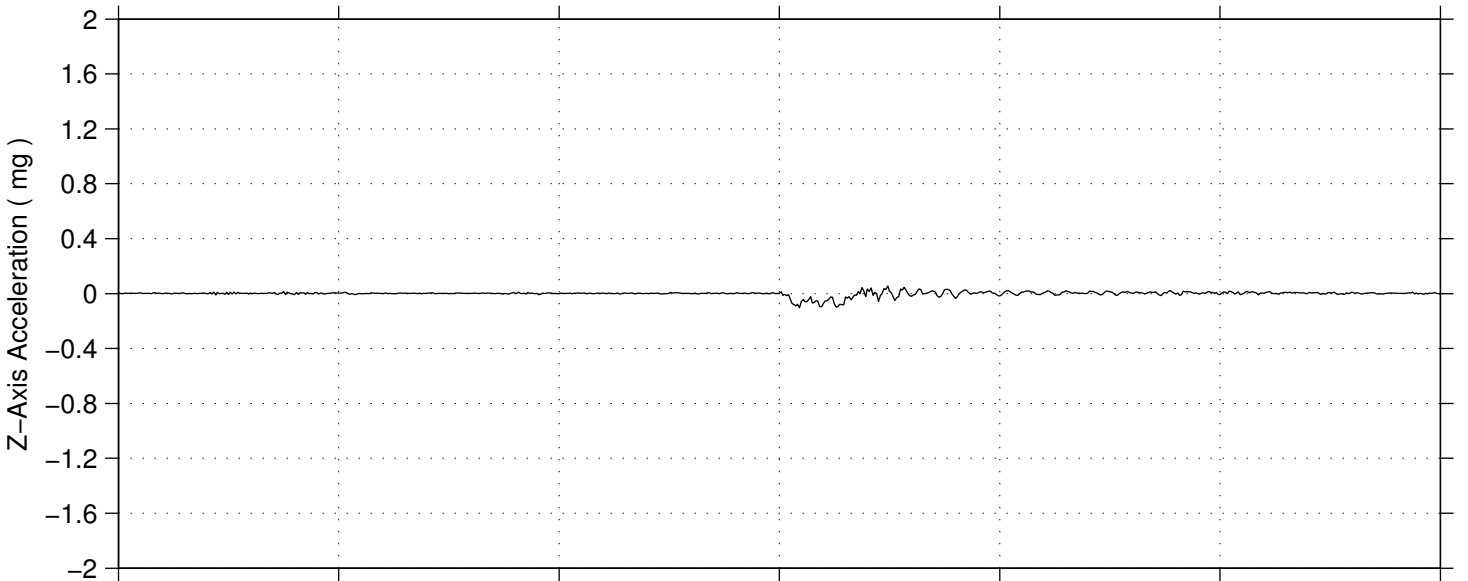
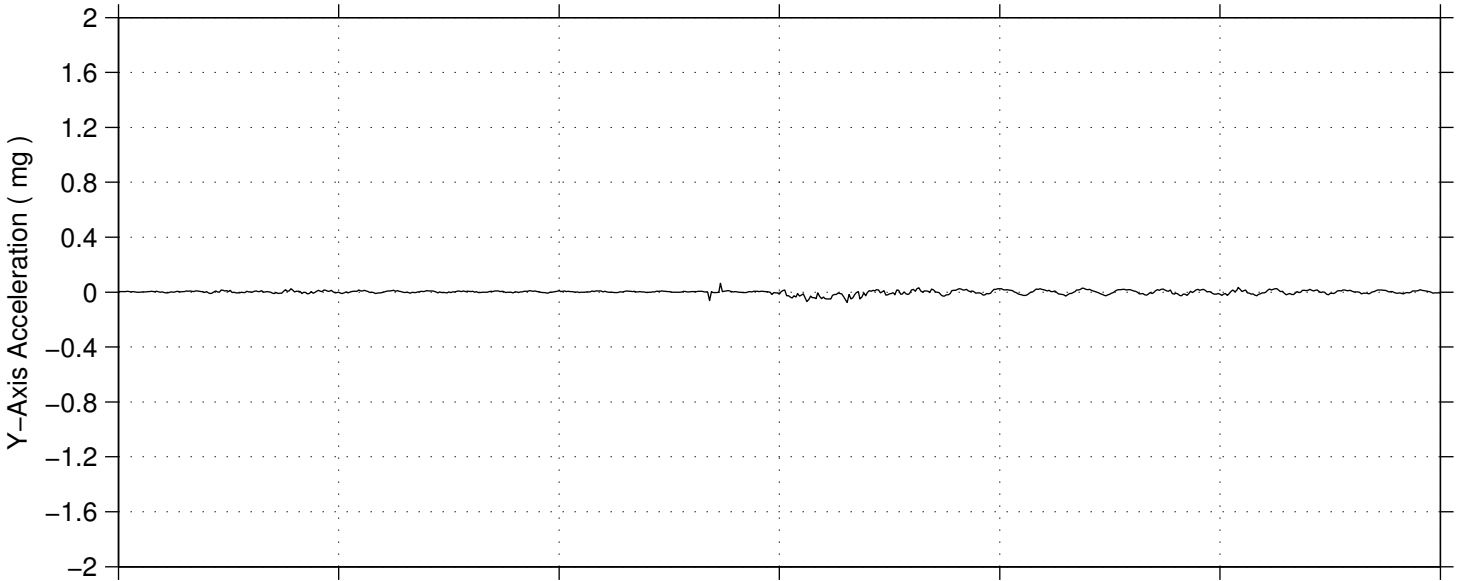
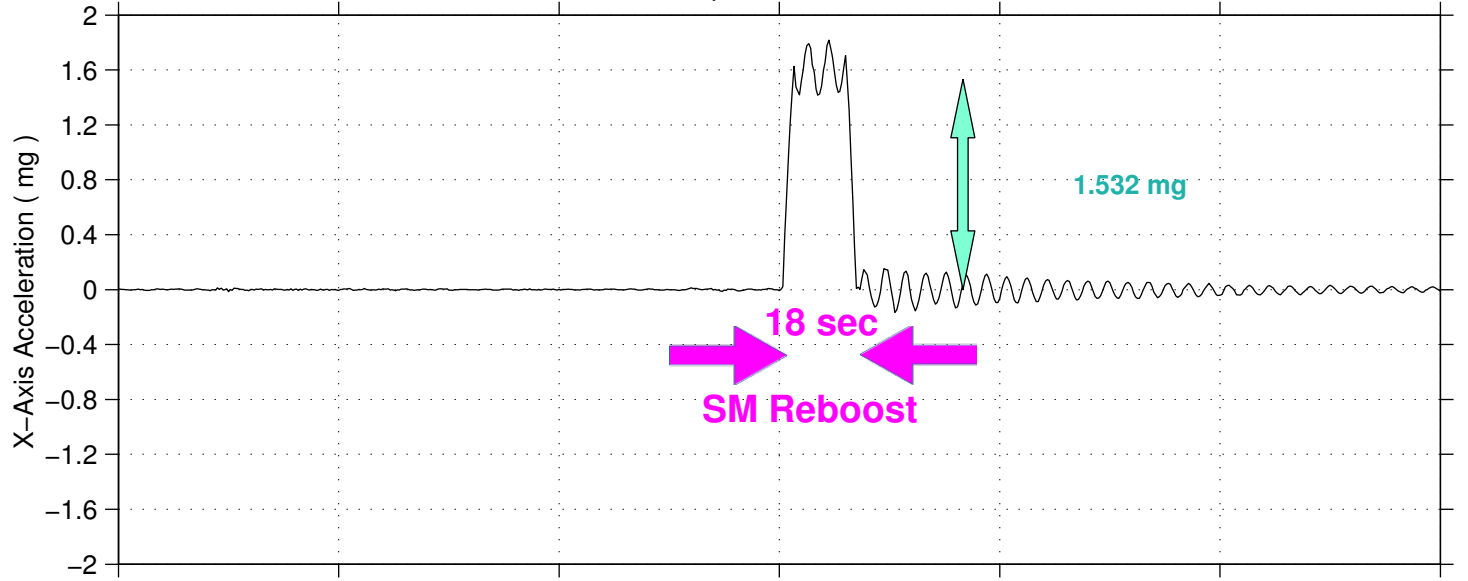
Start GMT 20-September-2018, 263/18:02:16



18:02:16 18:03:16 18:04:16 18:05:16 18:06:16 18:07:16 18:08:16

GMT 20-September-2018, 263/hh:mm:ss

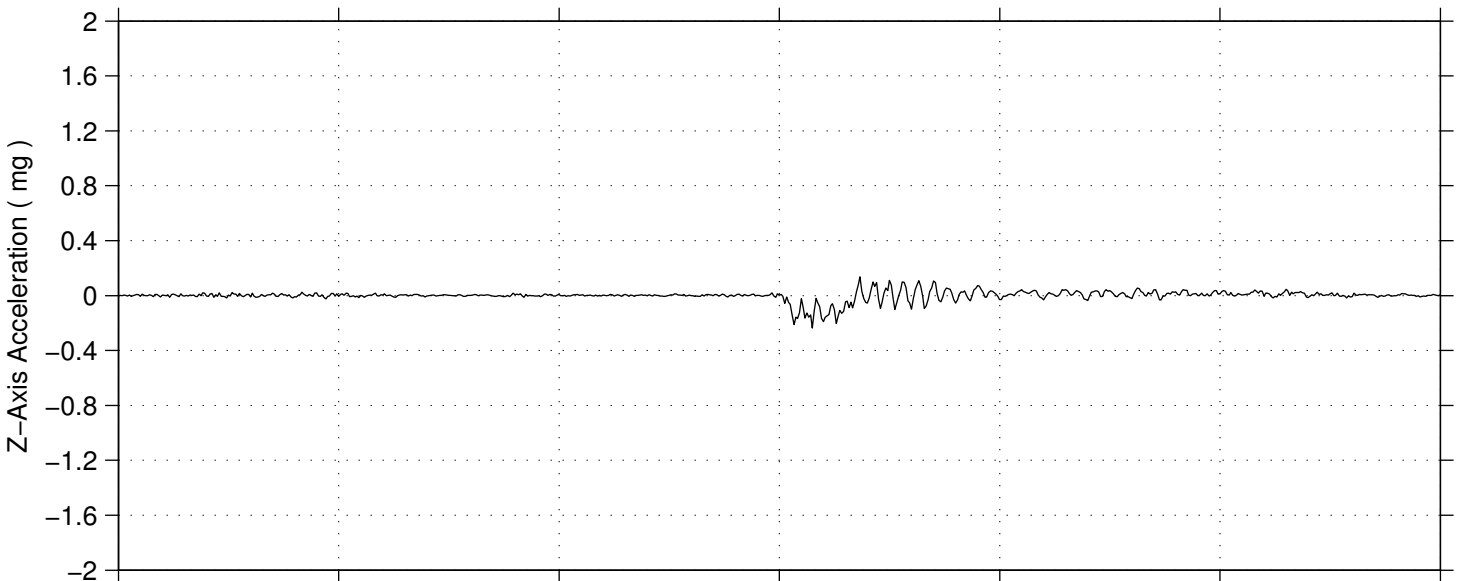
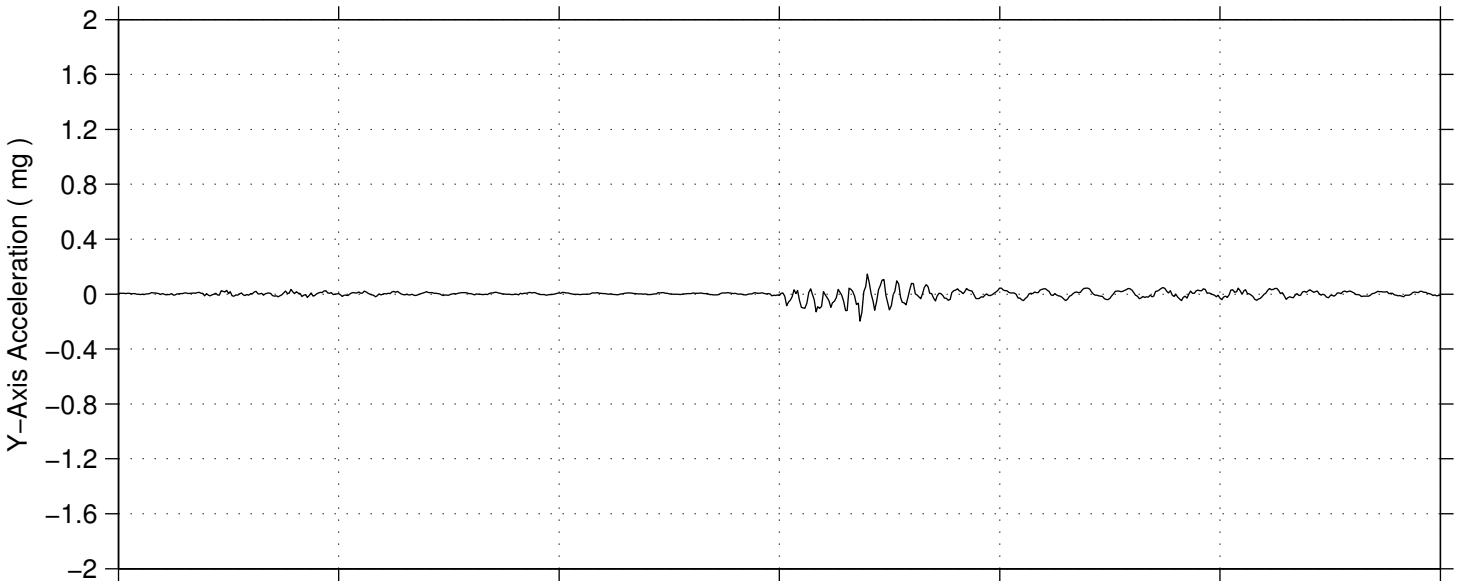
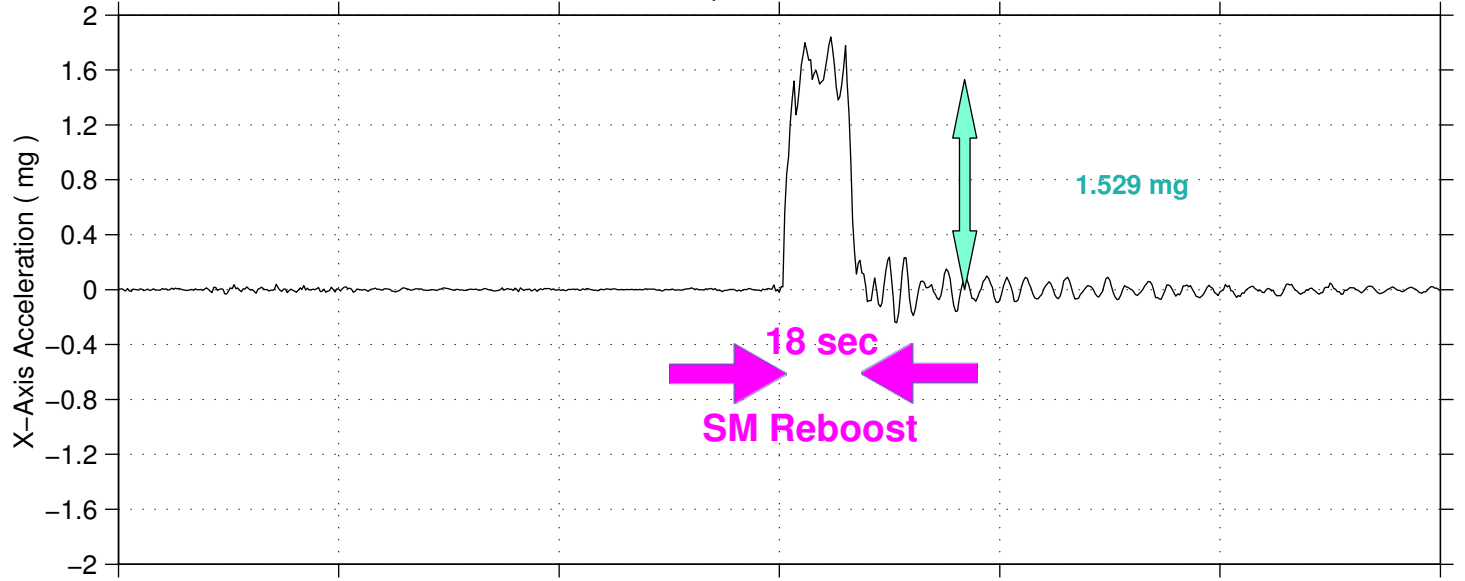
Start GMT 20-September-2018, 263/18:02:16



18:02:16 18:03:16 18:04:16 18:05:16 18:06:16 18:07:16 18:08:16

GMT 20-September-2018, 263/hh:mm:ss

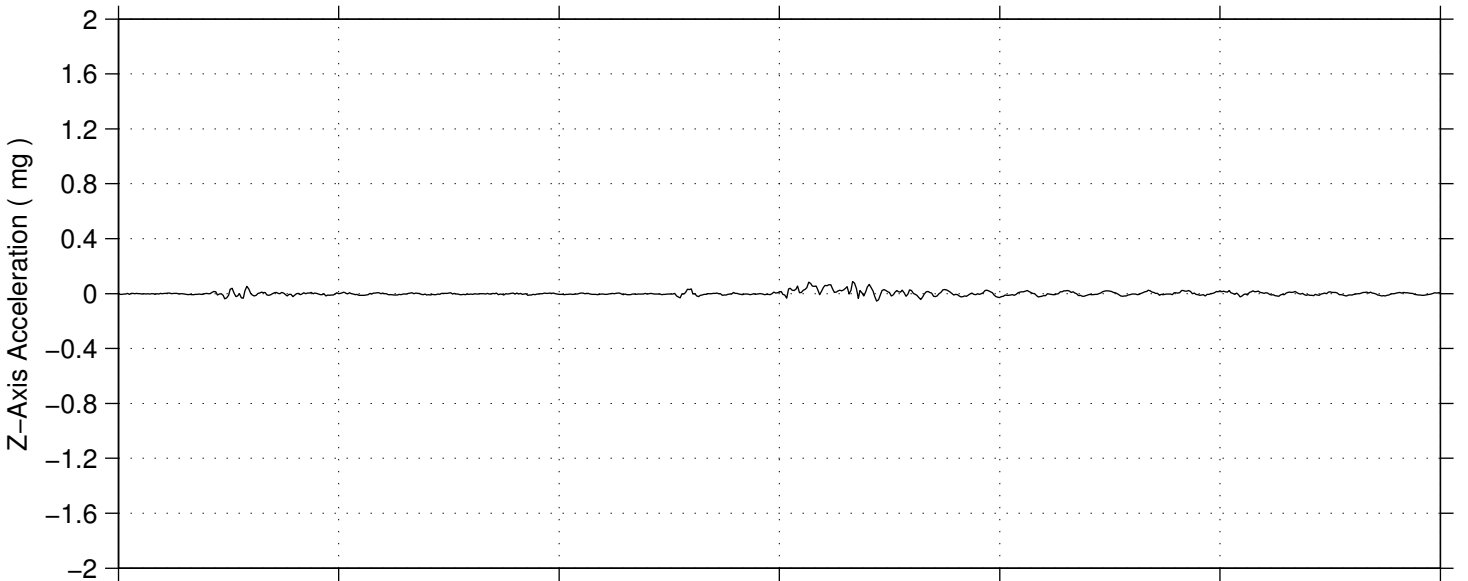
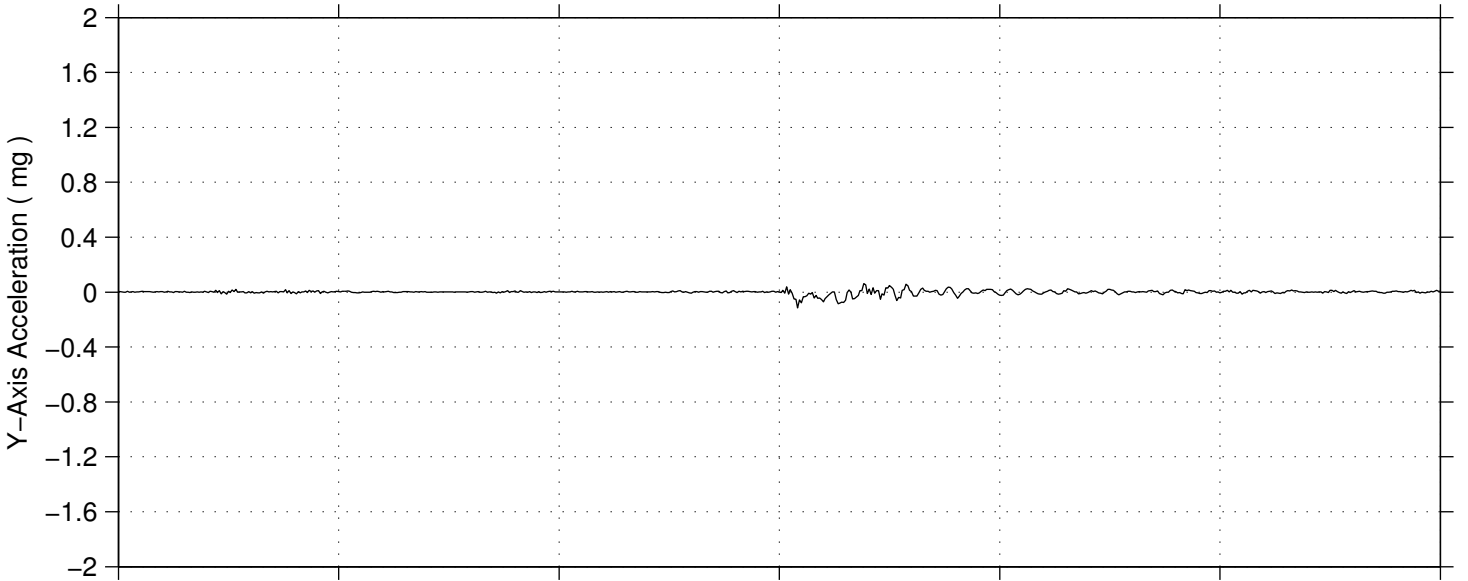
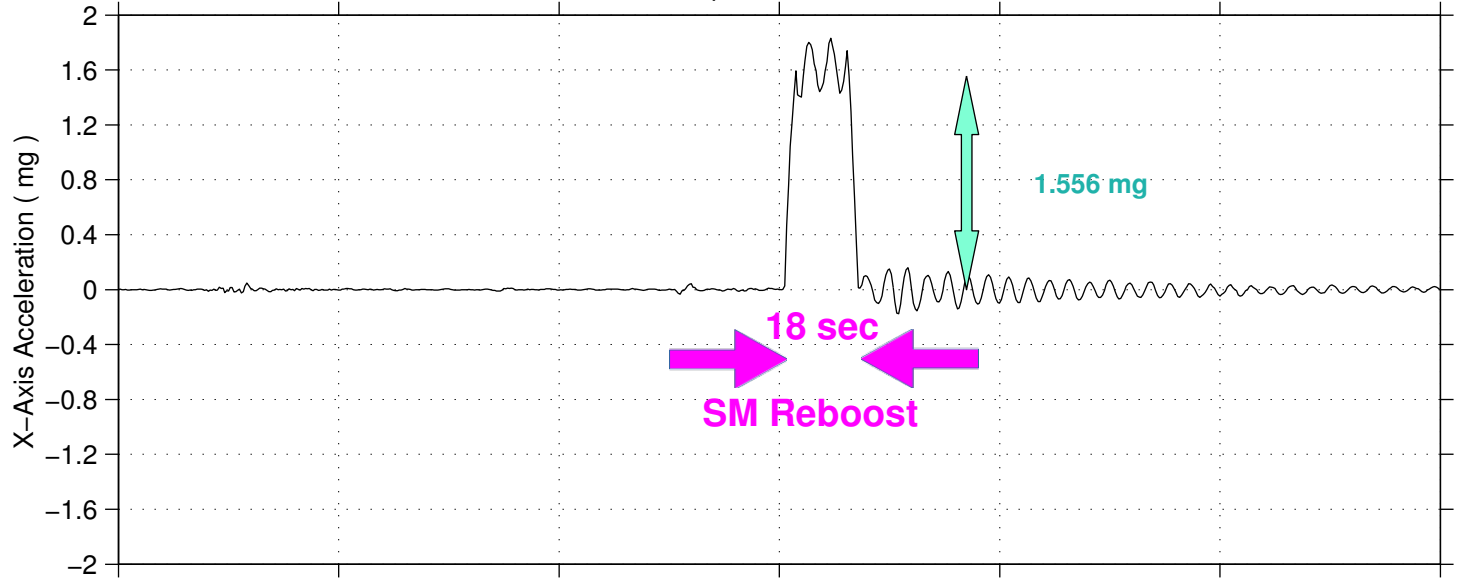
Start GMT 20-September-2018, 263/18:02:16



18:02:16 18:03:16 18:04:16 18:05:16 18:06:16 18:07:16 18:08:16

GMT 20-September-2018, 263/hh:mm:ss

Start GMT 20-September-2018, 263/18:02:16



18:02:16 18:03:16 18:04:16 18:05:16 18:06:16 18:07:16 18:08:16

GMT 20-September-2018, 263/hh:mm:ss

Zvezda Service Module (SM) Reboost

GMT 2018/263

Thursday, Sept. 20, 2018

Calculations based on measurements made by a SAMS sensor (121f03) mounted on EXPRESS Rack 2 in the US LAB indicate a **delta V of 0.27 meters/second** was achieved.

Representative acceleration values during the reboost step from each SAMS sensor's X-axis are as reported below:

121f03	1.521	LAB101 (ER2)
121f04	1.532	LAB1P2 (ER7)
121f08	1.529	COL1A3 (EPM)
es06	1.556	LAB1S4 (FIR)