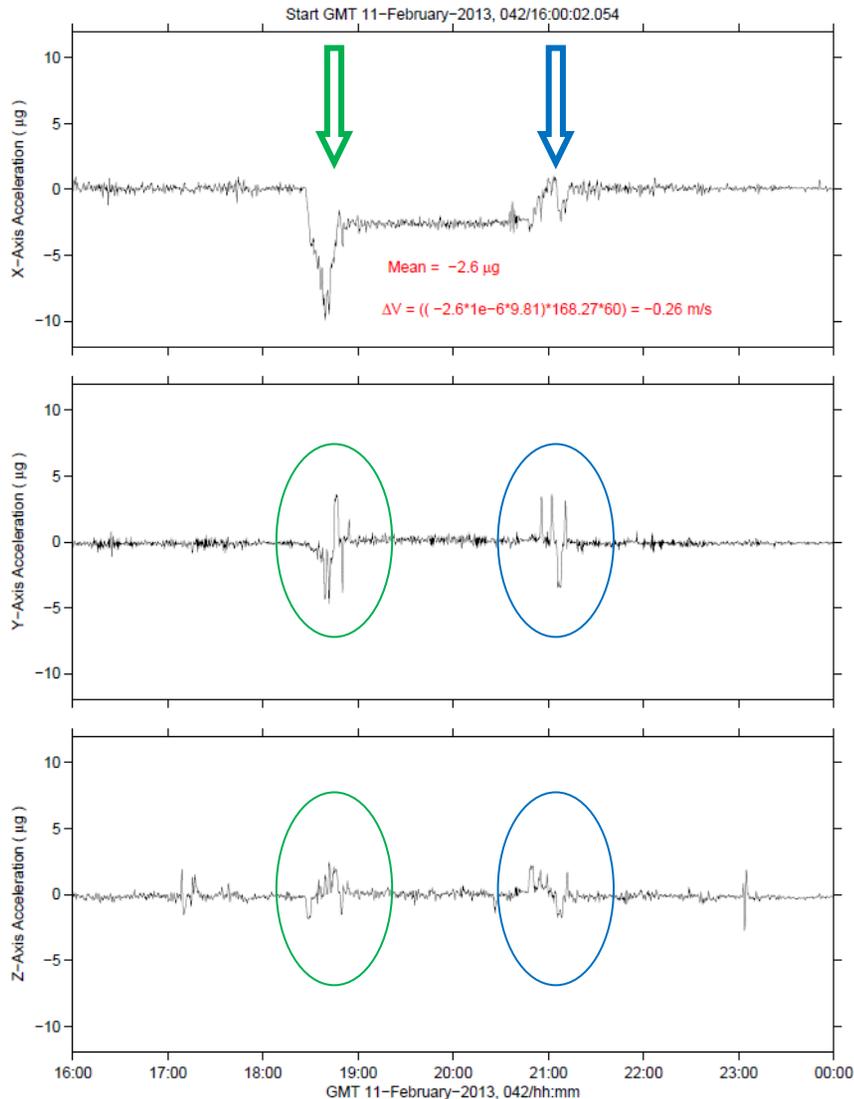


Maneuvers for Progress 50P Docking

mams_ossbtmf at LAB1O2, ER1, Lockers 3,4 [135.28 -10.68 132.12]
0.0625 sa/sec (0.01 Hz)

mams_accel_ossbtmf, LAB1O2, ER1, Lockers 3,4, 0.0 Hz (0.1 s/sec)

SSAnalysis[0.0 0.0 0.0]



Description	
Sensor	MAMS,ossbtmf 0.0625 sa/sec (0.01 Hz)
Location	LAB1O2, ER1, Lockers 3,4
Plot Type	Time series

Notes:

- The As-flow Time Line (ATL) shows two entries for attitude maneuvers around the time of the Progress 50P docking event as seen in this table:

GMT 11-Feb-2013	Maneuver...
18:27 to 18:53	to dock attitude
20:47 to 21:10	to -XVV TEA

- Note from the colored arrows on this time series plot that the impact of these 2 maneuvers primarily causes a DC shift on the X-axis and to much less degree on the Y-axis. In addition, the start/stop of each maneuver is accompanied by bipolar peaks on both the Y- and Z-axis.
- The red text annotation shows that between these 2 maneuver times, the space station is effectively (slightly) “deboosting” due to the negative X-axis acceleration of just under 3 ug lasting for just under 2 hours or so. The net change in velocity on the X-axis was recorded as approximately -0.26 m/s.



Glenn Research Center

Regime:	Quasi-steady
Category:	Vehicle
Source:	Maneuvers for Progress docking