The ATV-4 cargo vehicle used its thrusters to reboost the ISS starting at about GMT 19-June-2013, 13:05. SAMS measurements made in the JEM closely match this time with excitation of station structural modes starting at that time as seen by the vertical orange-to-red-ish streak concentrated below about 0.3 Hz and lasting several minutes.
Regime: Vibratory
Category: Vehicle
Source: ATV-4 Reboost

Notes:
• The as-flown time line shows that the ATV-4 vehicle fired its thrusters to reboost the station with time of ignition at GMT 19-Jun-2013, 13:05 and a duration of 6 minutes, 47 seconds.
• The average X-axis acceleration measured by MAMS during the reboost was 236 µg.
• Note no significant offset on either of the Y-axis or Z-axis during reboost.

Sensor: MAMS, OSSBTMF
Location: LAB102, ER1, Lockers 3,4
Plot Type: Acceleration versus time

ATV-4 Reboost
Quantify

Mean = 236.0 µg

$\Delta V = \left( 236.0 \times 10^{-6} \times 9.81 \right) \times 7.20 \times 60 = 1.00 \text{ m/s}$

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