Unexpected Torque Event
2015-06-09

Description

<table>
<thead>
<tr>
<th>Sensor</th>
<th>MAMS ossbtmf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>LAB1O2, ER1, Lockers 3,4</td>
</tr>
<tr>
<td>Plot Type</td>
<td>Acceleration vs. Time</td>
</tr>
</tbody>
</table>

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 µg 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