

Description

1000.0 sa/sec, 100 Hz

Spectrogram (< 10 Hz)

LAB1O2, ER1, Lockers 3,4

MAMS hirap



Regime:	Quasi-Steady
ategory:	Vehicle
Source:	Soyuz 41S Docking





PIMS ISS Acceleration Handbook Date last modified 2014-12-16

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Soyuz 41S Docking Qualify

Description			
Sensor	MAMS ossbtmf 0.0625 sa/sec, 0.01 Hz		
Location	LAB1O2, ER1, Lockers 3,4		
Plot Type	Acceleration vs. Time		
 Notes: This plot shows the quasi-steady impact of the menouver to docking attitude between 			

the maneuver to docking attitude between about 00:45 and 01:05 and the maneuver to post-docking LVLH attitude between about 02:58 and 03:21.

Regime:	Quasi-Steady
Category:	Vehicle
Source:	Soyuz 41S Docking





Soyuz 41S Docking Quantify





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The previous 3 pages show a quantitative comparison between SAMS sensor measurements in each of the 3 main laboratories: (121f03) in the USL, (121f05) in the JEM, and (121f08) in the COL. It is important to note that these data have been low-pass filtered to highlight the impact of Soyuz docking. The values shown are median acceleration vector magnitudes (after low-pass filtering below 6 Hz) from the time span between GMT 24-Nov-2014/01:00 and 02:30.

SAMS Sensor & Location	Median Accel. Vector Magnitude (ug)
121f03 in USL	99.8
121f05 in JEM	119.1
121f08 in COL	175.6



