

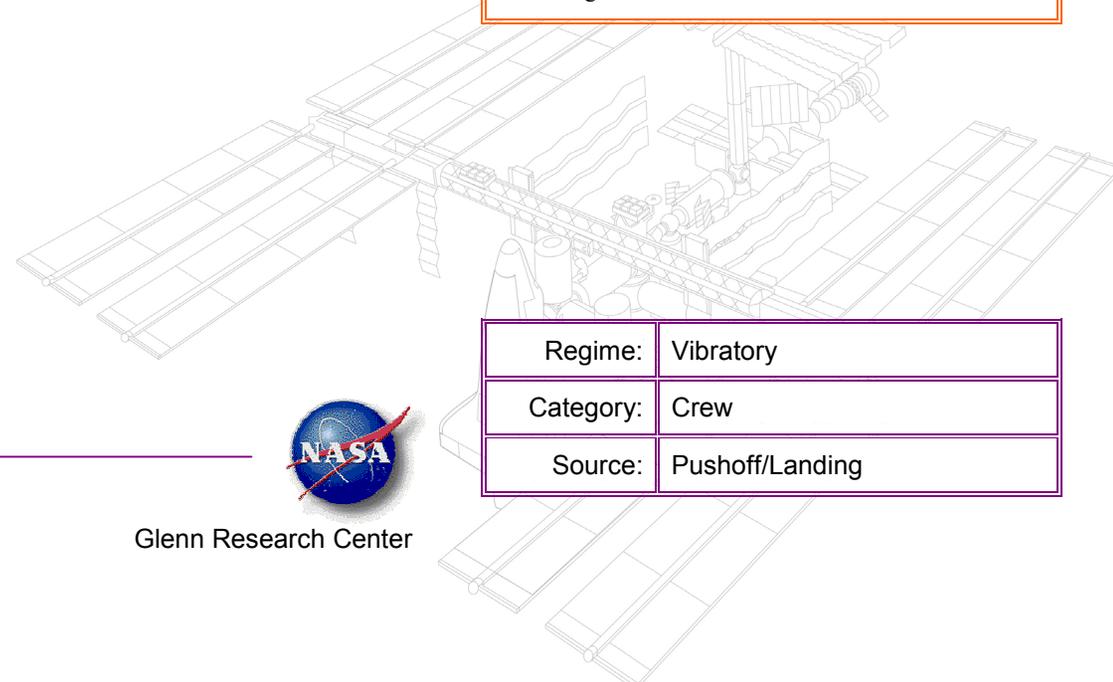
Crew Pushoff/Landing During Public Affairs Office (PAO) Event Qualify



Leftmost frame shows that at GMT 11-Sep-03, 254/14:26:16, Yuri pushed off deck to start demonstration for students.

Data Description	
Sensor	
Location	
Inc/Flight	Increment: 7 Flight: 6S
Plot Type	

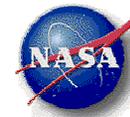
Notes:
 In support of public outreach, Ed Lu and Yuri Malenchenko performed a Public Affairs Office (PAO) interview with KCAU-TV in Sioux City, Iowa. Upon request as part of the interview, Malenchenko performed a reduced-gravity demonstration for students in the audience. The snapshots at the left were taken from video recorded during this demonstration. The PAO event took place from GMT 11-Sep-03, 254/14:11:23 to 14:29:06. The field of view for the video was looking aft in the US Lab. SAMS sensors located in overhead racks toward the front of the US Lab recorded the accelerations experienced at those locations during this crew pushoff event. The PIMS console log maintained during this event showed this entry for the event: "In response to request from school student, at GMT 11-Sep-03, 254/14:26:16, Yuri pushed off deck with both legs and landed on ceiling (just aft of MSG), then pushed off ceiling back to deck all within a second or so."



Regime:	Vibratory
Category:	Crew
Source:	Pushoff/Landing



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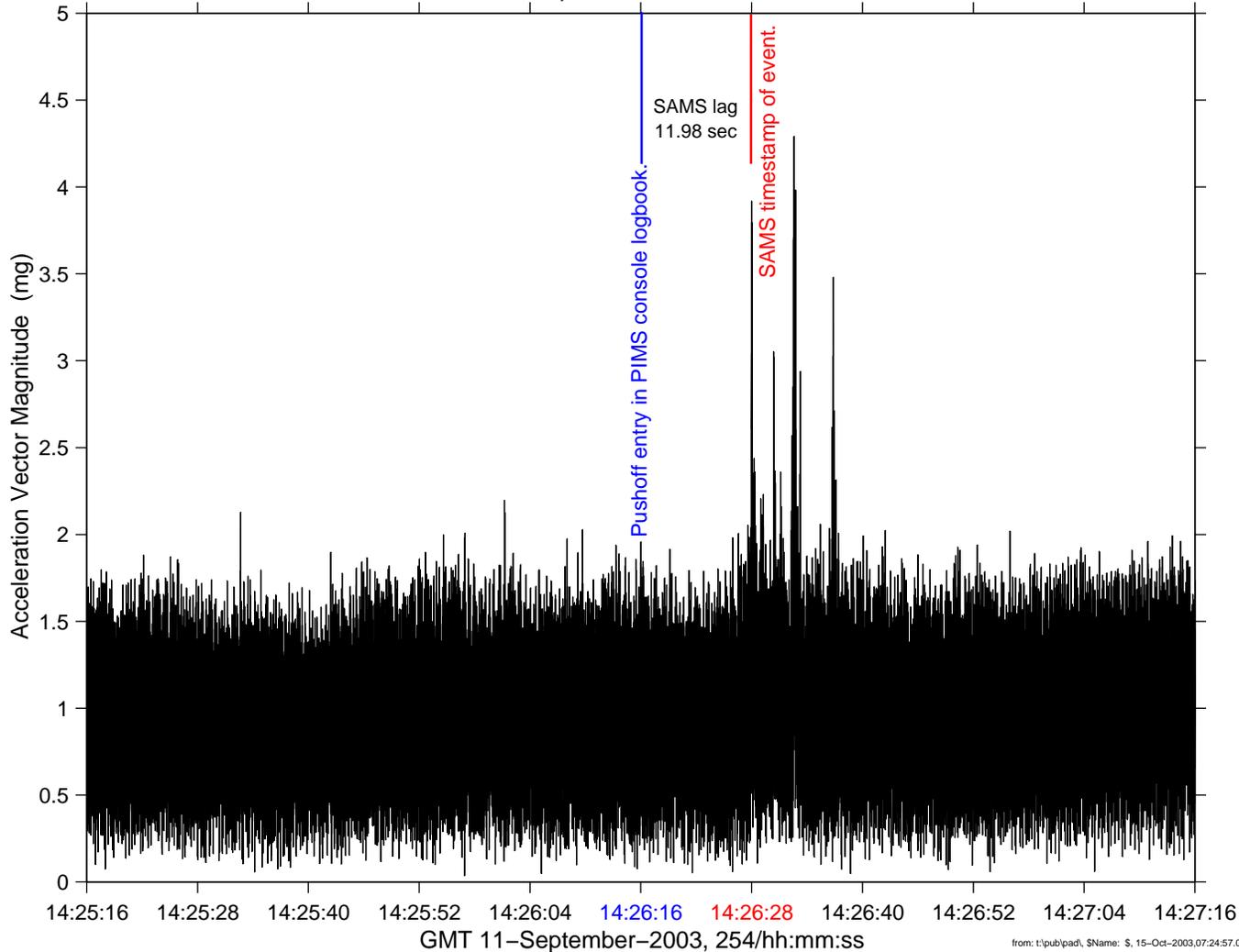
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Crew Pushoff/Landing During Public Affairs Office (PAO) Event Quantify

sams2, 121f02 at LAB1O2, ER1, Drawer 1:[128.73 -23.53 144.15]
250.0000 sa/sec (100.00 Hz)

Increment: 7, Flight: 6S
Vector Magnitude

Pushoff During PAO
Start GMT 11-September-2003, 254/14:25:16.001



Data Description	
Sensor	SAMS 121f02 250.0 sa/sec (100.00 Hz)
Location	LAB1O2, ER1, Drawer 1
Inc/Flight	Increment: 7 Flight: 6S
Plot Type	time series of vector magnitude

Notes:

The table below shows the maximum acceleration magnitude around the time of this event for all 4 active SAMS sensors. All sensors exhibit the lag cited in the figure shown for 121f02.

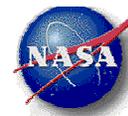
SENSOR	LOCATION	MAX (mg)
121f02 (100 Hz)	LAB1O2, ER1, Drawer 1	4.29
121f03 (200 Hz)	LAB1O1, ER2, Lower Z Panel	11.90
121f04 (200 Hz)	LAB1O2, ER1, Lower Z Panel	12.87
121f05* (100 Hz)	LAB1O1, ER2, Upper Z Panel	5.57

* The 121f05 sensor had a transient at same time as other sensors as shown in table, but this was not it's max for the event. It registered 10.39 mg at about GMT 11-Sep-2003, 14:26:31.

Regime:	Vibratory
Category:	Crew
Source:	Pushoff/Landing



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