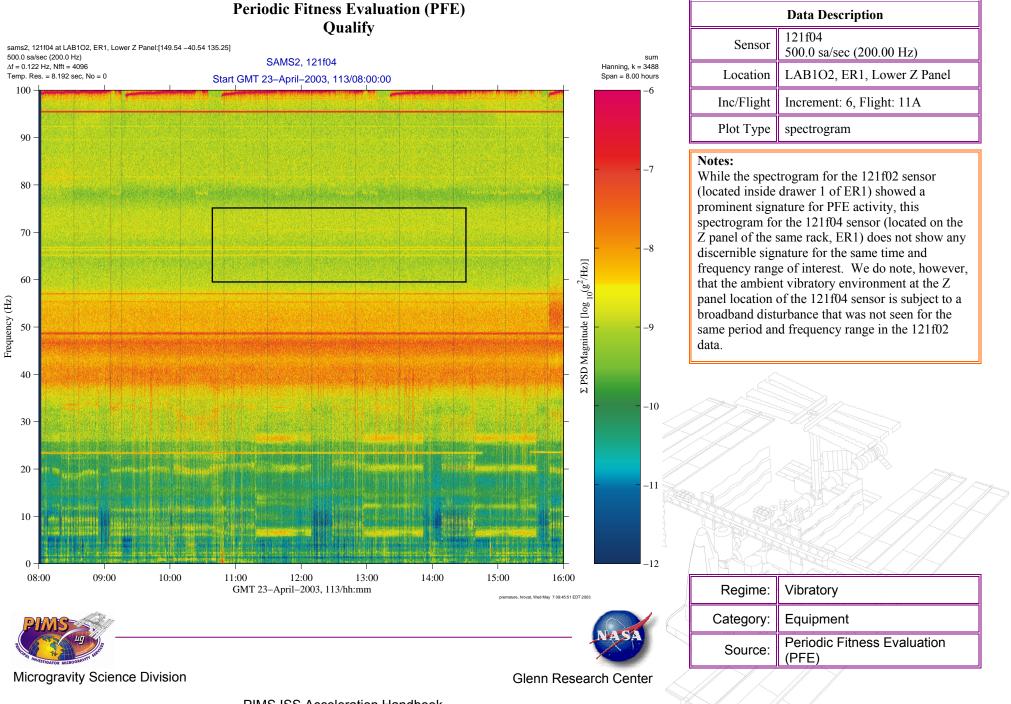
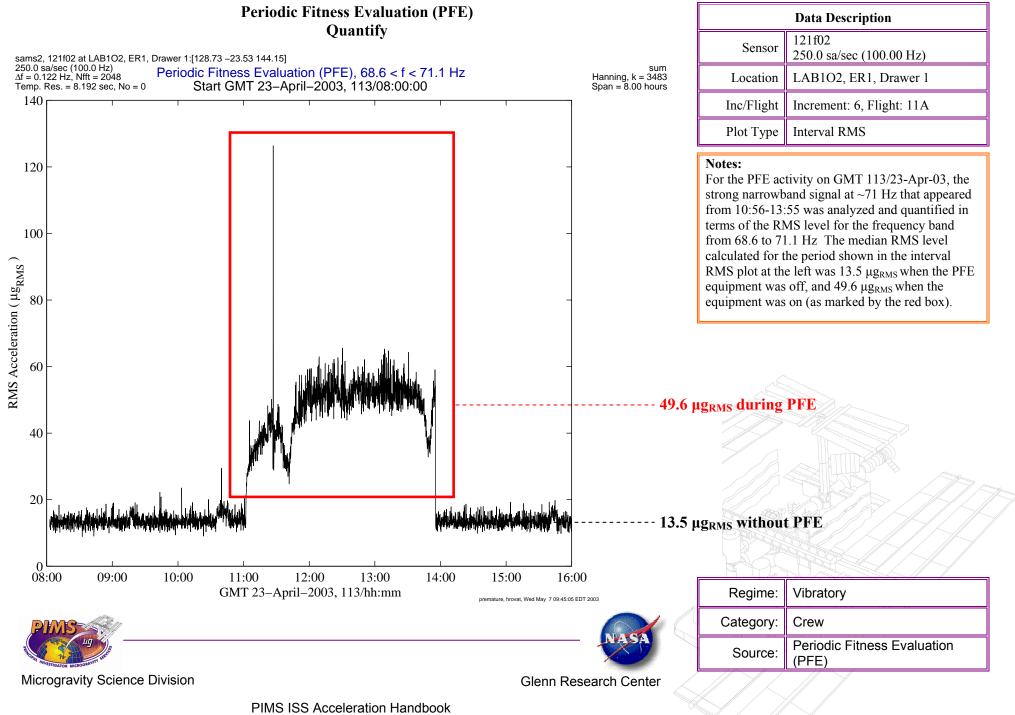


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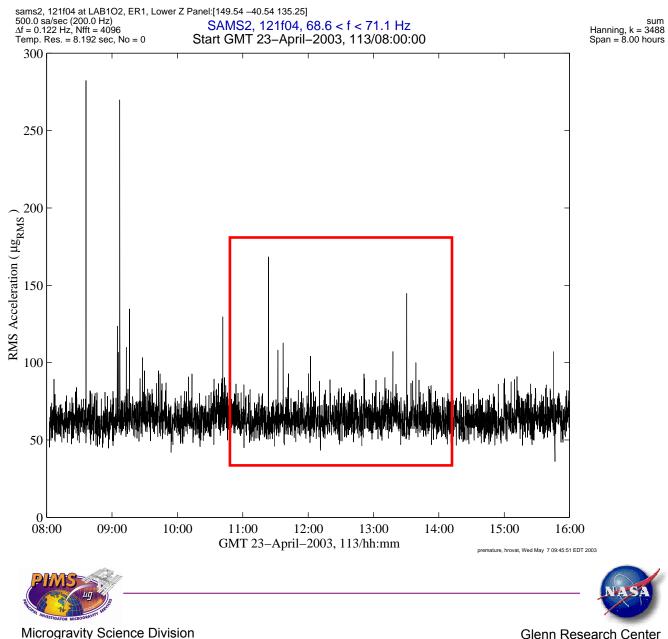


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## **Periodic Fitness Evaluation (PFE) Ouantify**



Data Description		
Sensor	121f04 500.0 sa/sec (200.00 Hz)	
Location	LAB1O2, ER1, Lower Z Panel	
Inc/Flight	Increment: 6, Flight: 11A	
Plot Type	Interval RMS	

## Notes:

While the interval RMS plot for the 121f02 sensor (located inside drawer 1 of ER1) showed a prominent signature for PFE activity, this same analysis performed for the 121f04 sensor (located on the Z panel of the same rack, ER1) does not show any discernible shift up from the baseline RMS level. The same period that showed this upward shift in the 121f02 data is again marked by a red box here. The median RMS level calculated for the entire 8-hour period period shown in the interval RMS plot at the left was  $63.6 \,\mu g_{RMS}$ . Recall for the 121f02 sensor data, that the baseline was 13.5  $\mu$ g<sub>RMS</sub> when the PFE equipment was off, and 49.6  $\mu g_{RMS}$  when the equipment was on. This disturbance is effectively overwhelmed by the ambient environment and not readily detected at this Z panel location. We cannot say that it is not transmitted to this location, it's just that we cannot detect it against the background vibrations here.

Regime:	Vibratory
Category:	Crew
Source:	Periodic Fitness Evaluation (PFE)

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