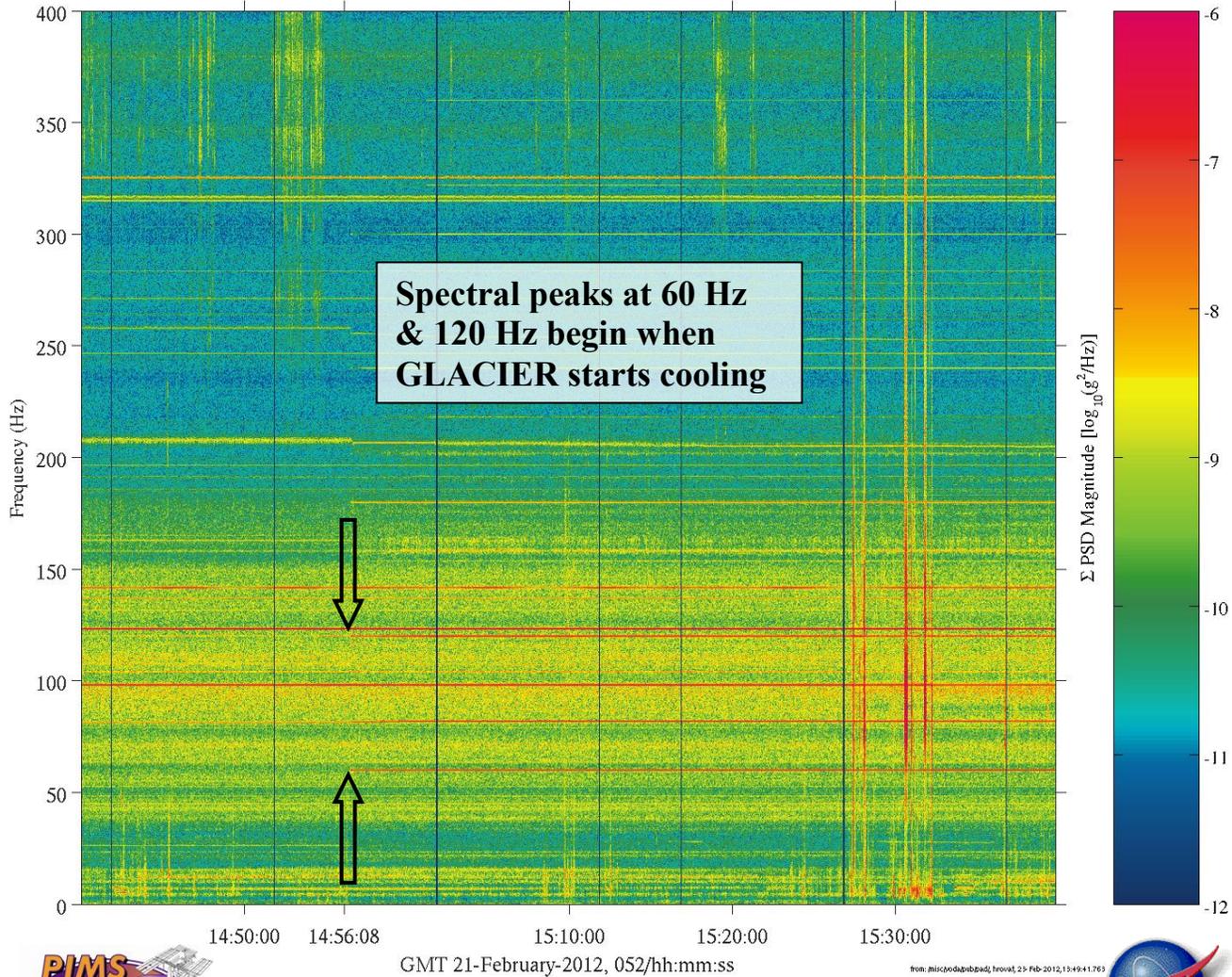


GLACIER Ops Qualify

sams2, 121f02 at LAB1S2, MSG, Upper Left Seat Track [161.95 40.39 157.64]
1000.0000 sa/sec (400.00 Hz)
 $\Delta f = 0.244$ Hz, Nfft = 4096
Temp. Res. = 2.048 sec, No = 2048

GLACIER Ops
Start GMT 21-February-2012, 052/14:40:00.001



Sum
Hanning, k = 1756
Span = 59.90 minutes

Description	
Sensor	121f02 1000 sa/sec (400 Hz)
Location	LAB1S2, MSG, Seat Track
Plot Type	spectrogram

- Notes:**
- The General Laboratory Active Cryogenic International Space Station (ISS) Experiment Refrigerator (GLACIER) is a water-cooled freezer that provides cryogenic transportation and preservation of samples requiring temperatures as low as -160 °C.
 - The cooling (set point mode) was initiated at GMT 052/14:56:08.
 - Spectral analysis shows vibratory impact focused primarily in two narrowband peaks at 60 & 120 Hz.



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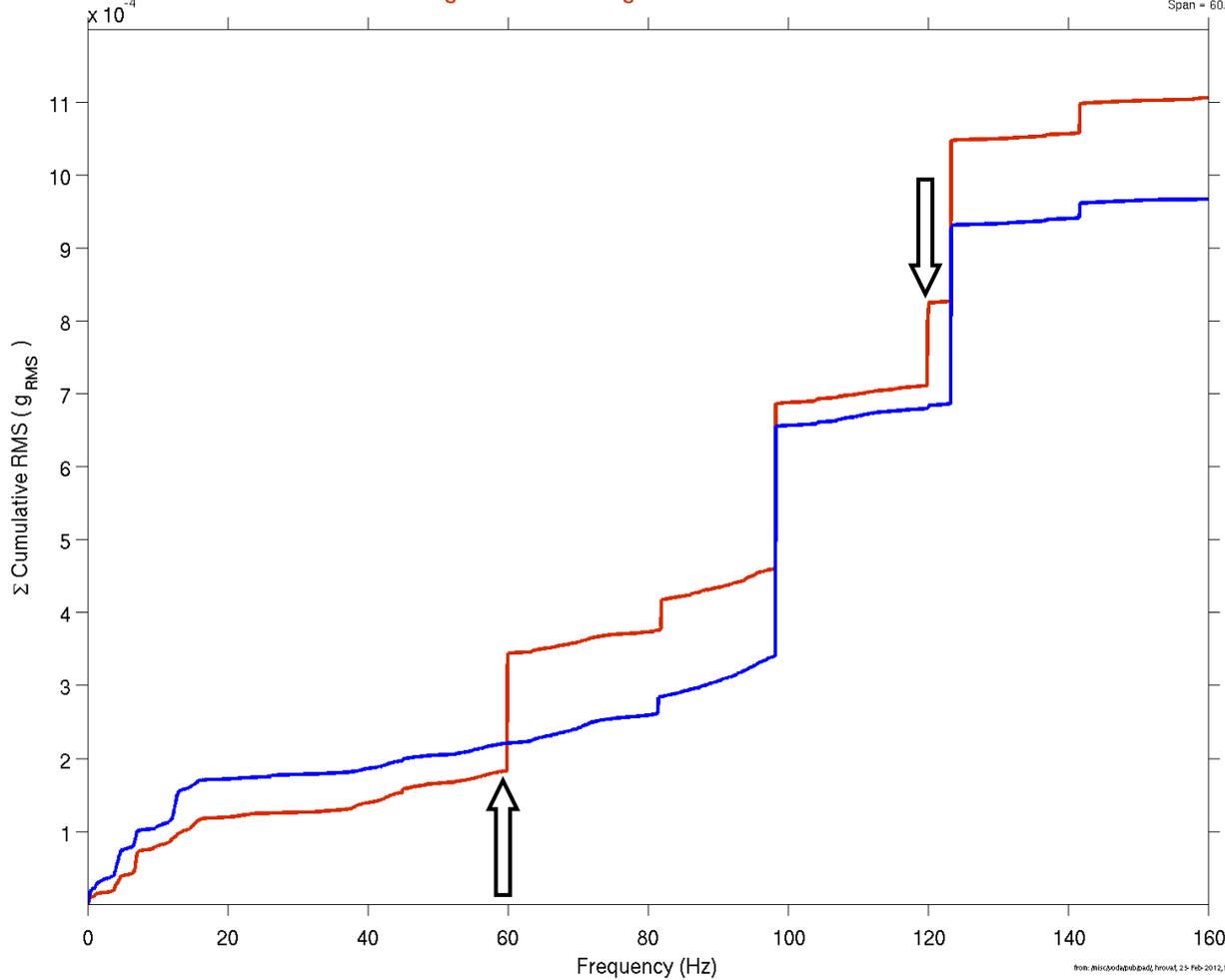
Regime:	Vibratory
Category:	Experiment Equipment
Source:	GLACIER

GLACIER Ops Quantify

sams2, 121f02 at LAB1S2, MSG, Upper Left Seat Track [161.95 40.39 157.64]
1000.0000 sa/sec (400.00 Hz)
 $\Delta f = 0.031$ Hz, $Nfft = 32768$

Before GLACIER Starts Cooling Start GMT 052/14:55:00 for 1 minute
During GLACIER Cooling Start GMT 052/15:03:00 for 1 minute

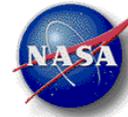
Sum
Hanning, k = 2
Span = 60.00 sec.



from: micr004d4p-0b0x65_browal1 23-Feb-2012, 14:59:44 995



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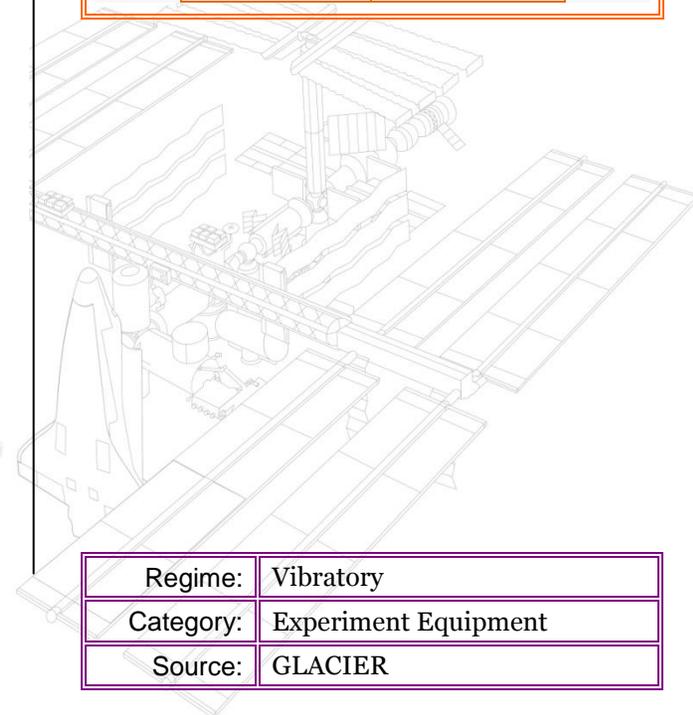
PIMS ISS Acceleration Handbook
Date last modified 02/23/12

Description	
Sensor	121f02 1000 sa/sec (400 Hz)
Location	LAB1S2, MSG, Seat Track
Plot Type	cumulative RMS vs. frequency

Notes:

- Quantitative spectral analysis compares contribution at two narrowband peaks for 2 one-minute periods: (1) before cooling starts, and (2) during cooling as shown here:

Freq. (Hz)	Δg_{RMS}
60	162
120	112



Regime:	Vibratory
Category:	Experiment Equipment
Source:	GLACIER