

<b>Data Description</b>		
Sensor	121f02 250.0 sa/sec (100.00 Hz)	
Location	LAB1O2, ER1, Drawer 1	
Inc/Flight	Increment: 4, Flight: 8A	
Plot Type	spectrogram	

## Notes:

- This Russian air conditioner is part of the Environmental Control and Life Support System (ECLSS).
- As part of preparation for an ExtraVehicular Activity (EVA), the crew will move ducting in order to work with hatches. It has been noted that this is accompanied by a temporary deactivation of the air conditioner.
- Nominally one SKV is operating, but there are times when both SKV-1 and SKV-2 are on.
- The nearly continuous operation of this equipment produces a narrowband disturbance near 23.5 Hz. This spectral peak serves as vibratory beacon signal.

Regime:	Vibratory
Category:	Vehicle
Source:	SKV Air Conditioner
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Location	LAB1O2, ER1, Drawer 1	
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Plot Type	interval RMS	

## Notes:

For the 8-hour period shown in the figure, Parseval's theorem was used to derive the RMS acceleration level for a narrow band around the SKV air conditioner's operating frequency. The results for the frequency band from 23 to 24 Hz is tabulated below:

4	SKV	GMT	Median (µg <sub>RMS</sub> )
	ON	08:00 - 11:00	55.4
Ĺ	OFF	11:00 - 13:28	6.8
7	ON	13:28 - 16:00	91.2
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