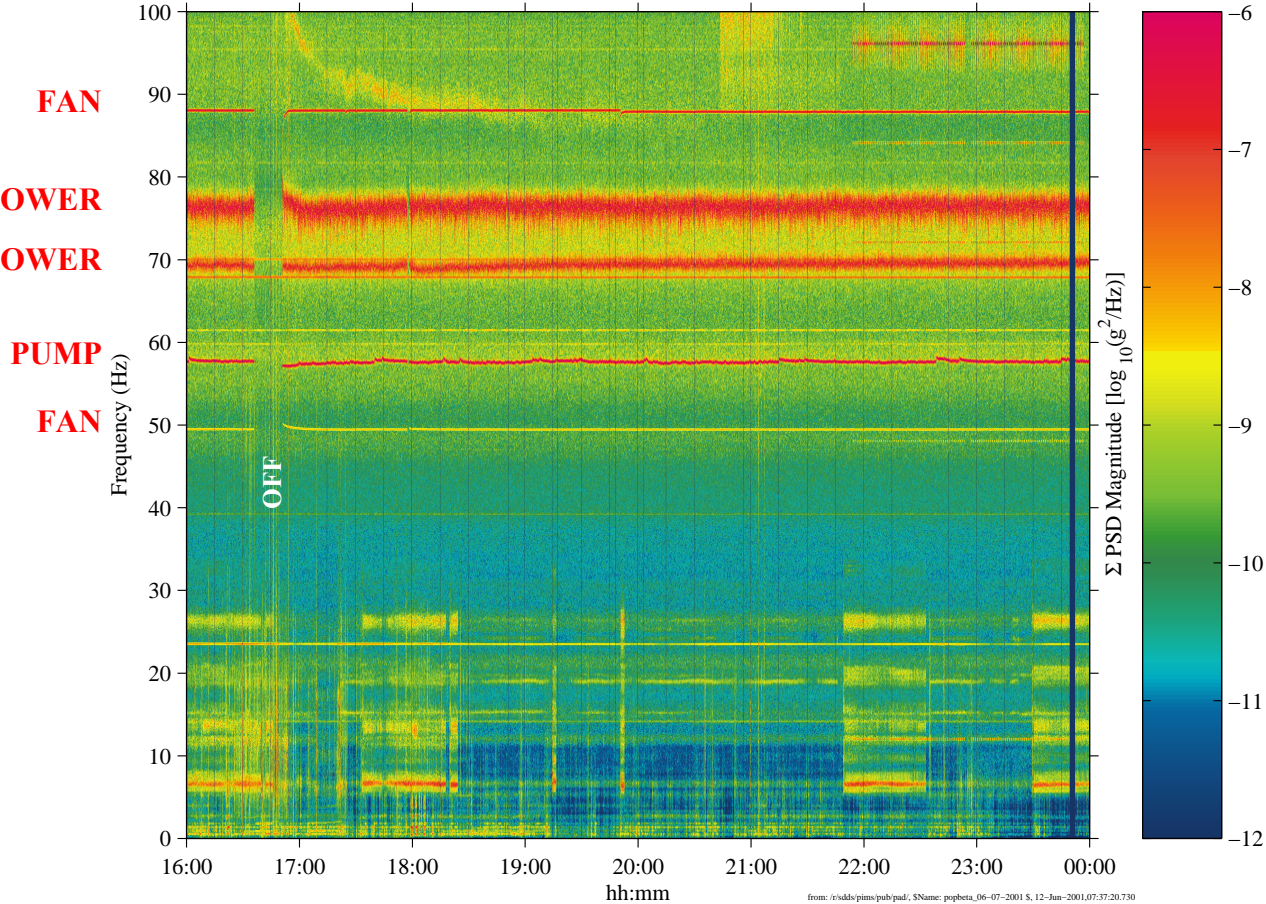


ADVanced ASTroCulture (ADVASC) Experiment Equipment Qualify

mams, hirap at LAB1O2, ER1, Lockers 3,4:[138.68 -16.18 142.35]
 1000.0 sa/sec (100.00 Hz)
 $\Delta f = 0.122$ Hz, Nfft = 8192
 Temp. Res. = 8.192 sec, No = 0

MAMS HiRAP
 Start GMT 2001:06:02:16:00:00

Increment: 2, Flight: 6A
 Sum
 Hanning, k = 3462
 Span = 8.00 hours



Data Description	
Sensor	HiRAP 1000.0 sa/sec (100.00 Hz)
Location	LAB1O2, ER1, Lockers 3,4
Inc/Flight	Increment: 2, Flight: 6A
Plot Type	spectrogram

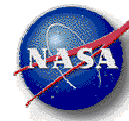
Notes:

- ADVASC experiment equipment* :
 - **pump** – narrowband signal centered at about 53.5 Hz
 - **2 fans** – narrowband signals centered at about 48 and 88 Hz.
 - **2 blowers** – broadband signals centered at about 72 and 78 Hz

* as confirmed by ADVASC team at University of Wisconsin



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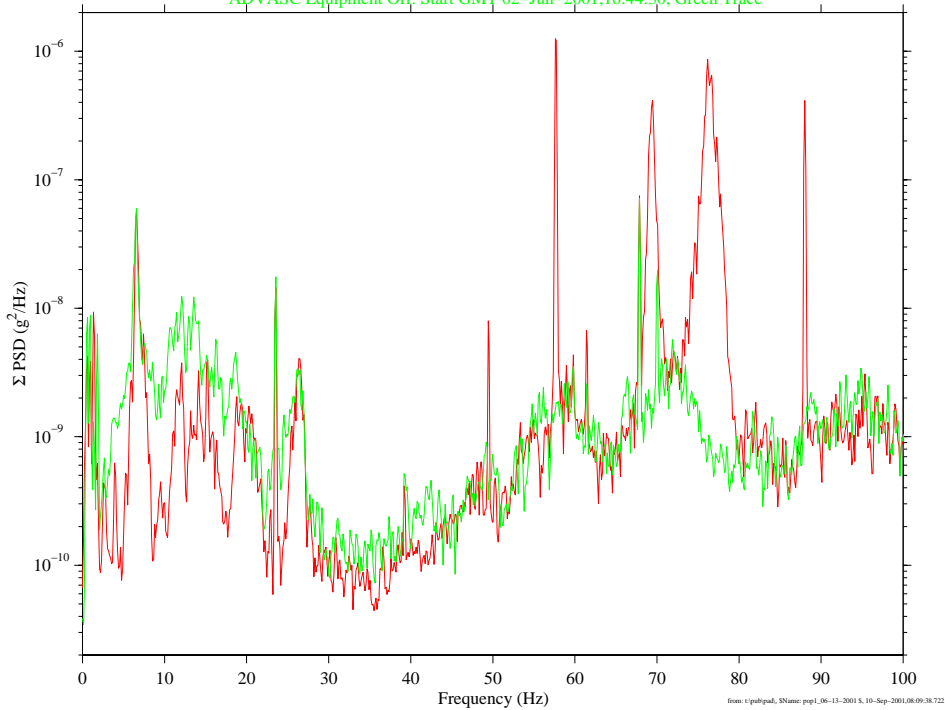
Regime:	Vibratory
Category:	Experiment Equipment
Source:	ADVanced ASTroCulture (ADVASC)

ADVanced ASTroCulture (ADVASC) Experiment Equipment Quantify

mams_hirap at LAB102, ER1, Lockers 3,4:[138.68 - 16.18 142.35]
 1000.0 sa/sec (100.00 Hz)
 $\Delta f = 0.122$ Hz, Nfft = 8192
 P = 20.9%, No = 1716

Increment: 2, Flight: 6A
 Sum
 Hanning, k = 9
 Span = 60.00 sec.

ADVASC Equipment On: Start GMT 02-Jun-2001,16:00:00, Red Trace
 ADVASC Equipment Off: Start GMT 02-Jun-2001,16:44:30, Green Trace



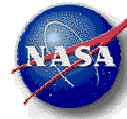
Data Description	
Sensor	HiRAP 1000.0 sa/sec (100.00 Hz)
Location	LAB102, ER1, Lockers 3,4
Inc/Flight	Increment: 2, Flight: 6A
Plot Type	spectrogram

Notes:

Frequency (Hz)			ADVASC Disturbance	RMS Acceleration (μg_{RMS})	
HiRAP Measured		Expected		ADVASC ON	ADVASC OFF
Center	Range				
49.4	49.1 - 49.7	48.3	2,900 RPM fan	41.6	19.0
57.6	57.3 - 57.9	52 - 55	air pump	568.9	31.4
69.5	68.1 - 70.9	71.7	4,300 RPM blower	512.9	97.4
76.5	73.0 - 79.7	78.3	4,700 RPM blower	940.9	86.9
88.0	87.6 - 88.4	88.3	5,300 RPM CPU fan	284.3	32.8



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Regime:	Vibratory
Category:	Experiment Equipment
Source:	ADVanced ASTroCulture (ADVASC)