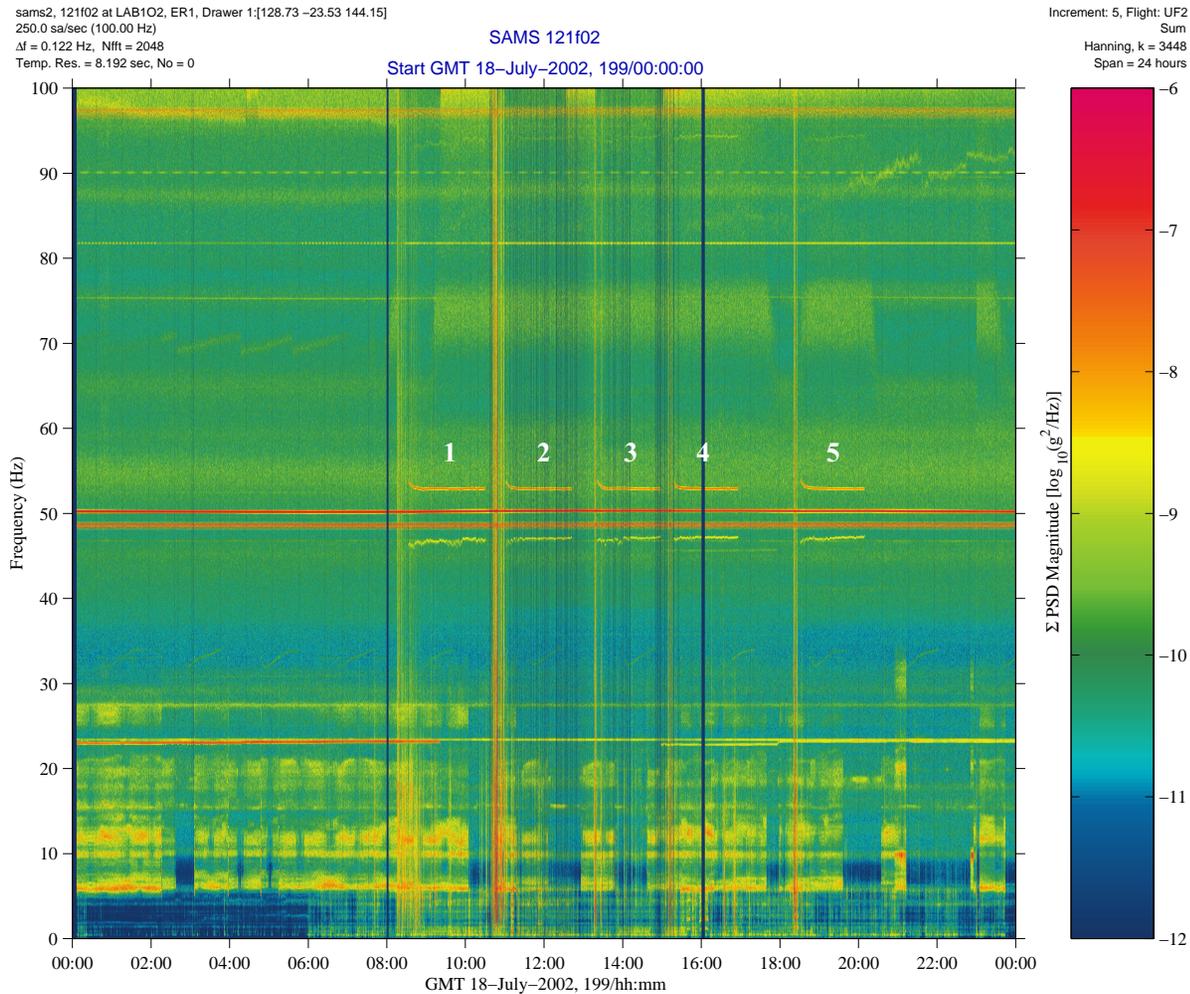


Microencapsulation Electrostatic Processing System (MEPS) Qualify



Data Description	
Sensor	121f02 250.0 sa/sec (100.00 Hz)
Location	LAB102, ER1, Drawer 1
Inc/Flight	Increment: 5, Flight: UF2
Plot Type	spectrogram

Notes:

The MEPS is located in locker #8 of ER1 (LAB102) near the 121f02 sensor in RTS drawer 1. This 24-hour spectrogram readily shows 5 MEPS sample runs with the start/stop delimited by 2 narrowband signals. The weaker of these was centered at 47.1 Hz and the stronger at 52.8 Hz. Note that each of the 5 runs is preceded by the impulsive events of Process Chamber Module (PCM) insertion.



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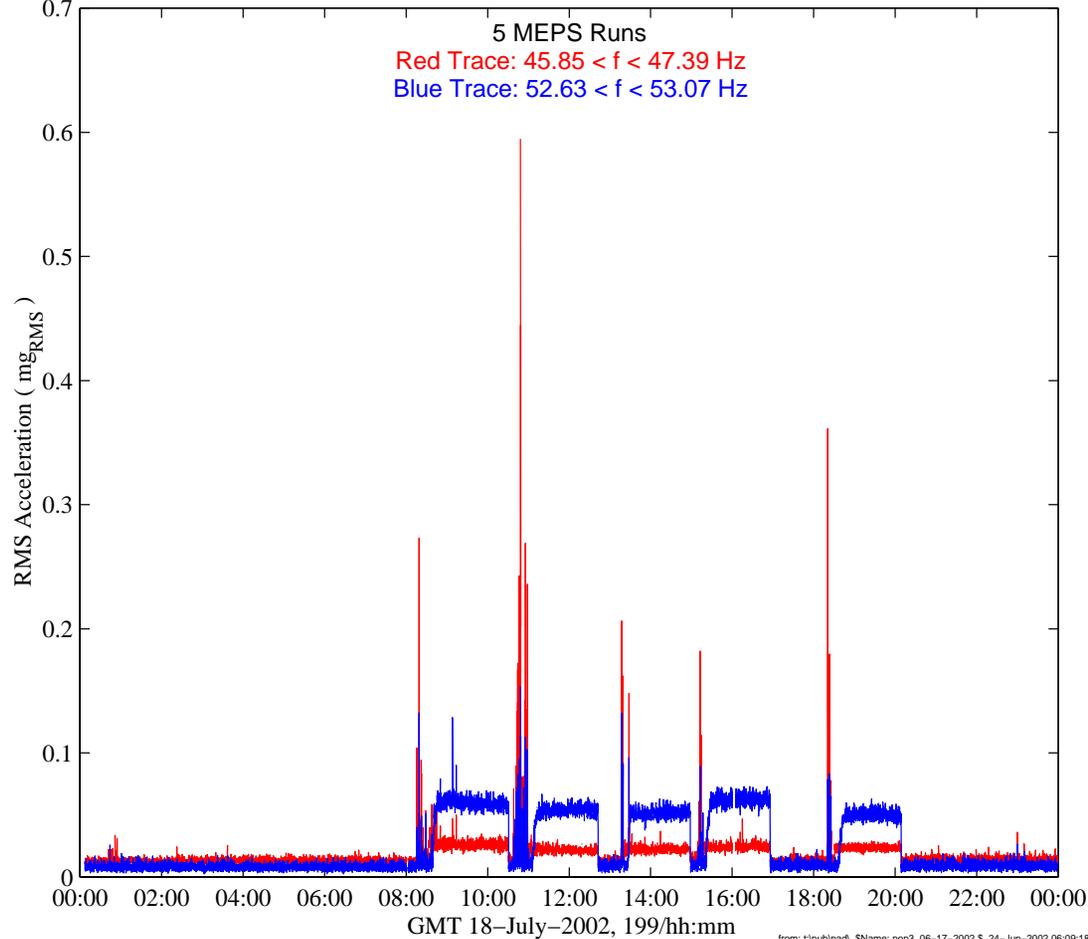
Regime:	Vibratory
Category:	Experiment Equipment
Source:	MEPS

Microencapsulation Electrostatic Processing System (MEPS) Quantify

sams2, 121f02 at LAB1O2, ER1, Drawer 1:[128.73 -23.53 144.15]
250.0 sa/sec (100.00 Hz)
 $\Delta f = 0.122$ Hz, Nfft = 2048
Temp. Res. = 8.192 sec, No = 0

Start GMT 18-July-2002, 199/00:00:00

Increment: 5, Flight: UF2
Sum
Hanning, k = 3448
Span = 24 hours



from: t:\pub\pad\, \$Name: pop3_06-17-2002 \$, 24-Jun-2002,06:09:18.383

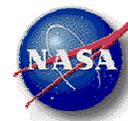
Data Description	
Sensor	121f02 250.0 sa/sec (100.00 Hz)
Location	LAB1O2, ER1, Drawer 1
Inc/Flight	Increment: 5, Flight: UF2
Plot Type	interval RMS

Notes:

This interval RMS versus time plot corresponds to the same time frame as that of the 24-hour spectrogram shown on the “qualify” page. This figure shows the contribution of the 2 narrowband signals that accompany the MEPS runs. The red trace gives the RMS acceleration for the fainter, low-frequency signal centered at 47.1 Hz. This signal steps from about 14 to 24 μg_{RMS} in the frequency range from 45.85 to 47.39 Hz. Likewise, the blue trace for the stronger signal centered at 52.8 Hz steps from about 9 to 54 μg_{RMS} in the frequency range from 52.63 to 53.07 Hz. The largest transient in this time frame was 103 mg and is attributed to insertion of the Process Chamber Module (PCM) for the 2nd sample run.



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Regime:	Vibratory
Category:	Experiment Equipment
Source:	MEPS