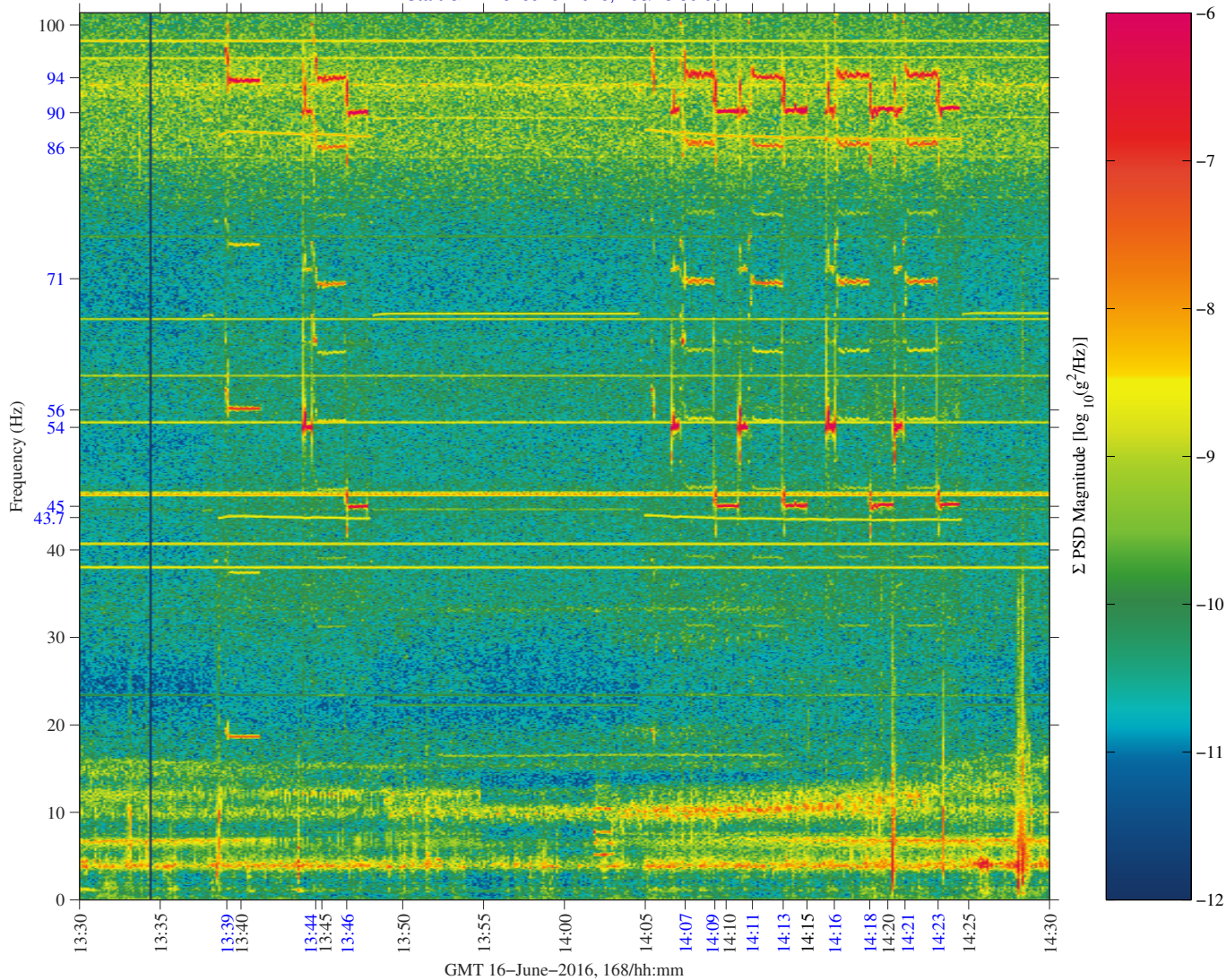


## Packed Bed Reactor Experiment (PBRE) 2016-06-16

samses, es03 at LAB1S2, MSG, Floor Plate OASIS:[150.40 57.72 183.90]  
 250.0000 sa/sec (101.40 Hz)  
 $\Delta f = 0.122$  Hz, Nfft = 2048  
 Temp. Res. = 8.192 sec, No = 0

SAMSSES, es03, LAB1S2, MSG, Floor Plate for PBRE, 101.4 Hz (250.0 s/sec)

Start GMT 16-June-2016, 168/13:30:00



Sum  
 Hanning, k = 878  
 Span = 119.74 minutes

Description	
Sensor	SAMS es03 250.0 sa/sec, 101.4 Hz
Location	LAB1S2, MSG, Floor Plate OASIS
Plot Type	Spectrogram

**Notes:**

- This color spectrogram shows an hour's worth of SAMS sensor measurements from inside the Microgravity Science Glovebox during PBRE operations.
- Notice the narrowband pattern most prominent between about 86 and 100 Hz.
- The impact extends down to about 43.7 Hz.

Regime:	Vibratory
Category:	Equipment
Source:	Packed Bed Reactor Experiment 2016-06-16



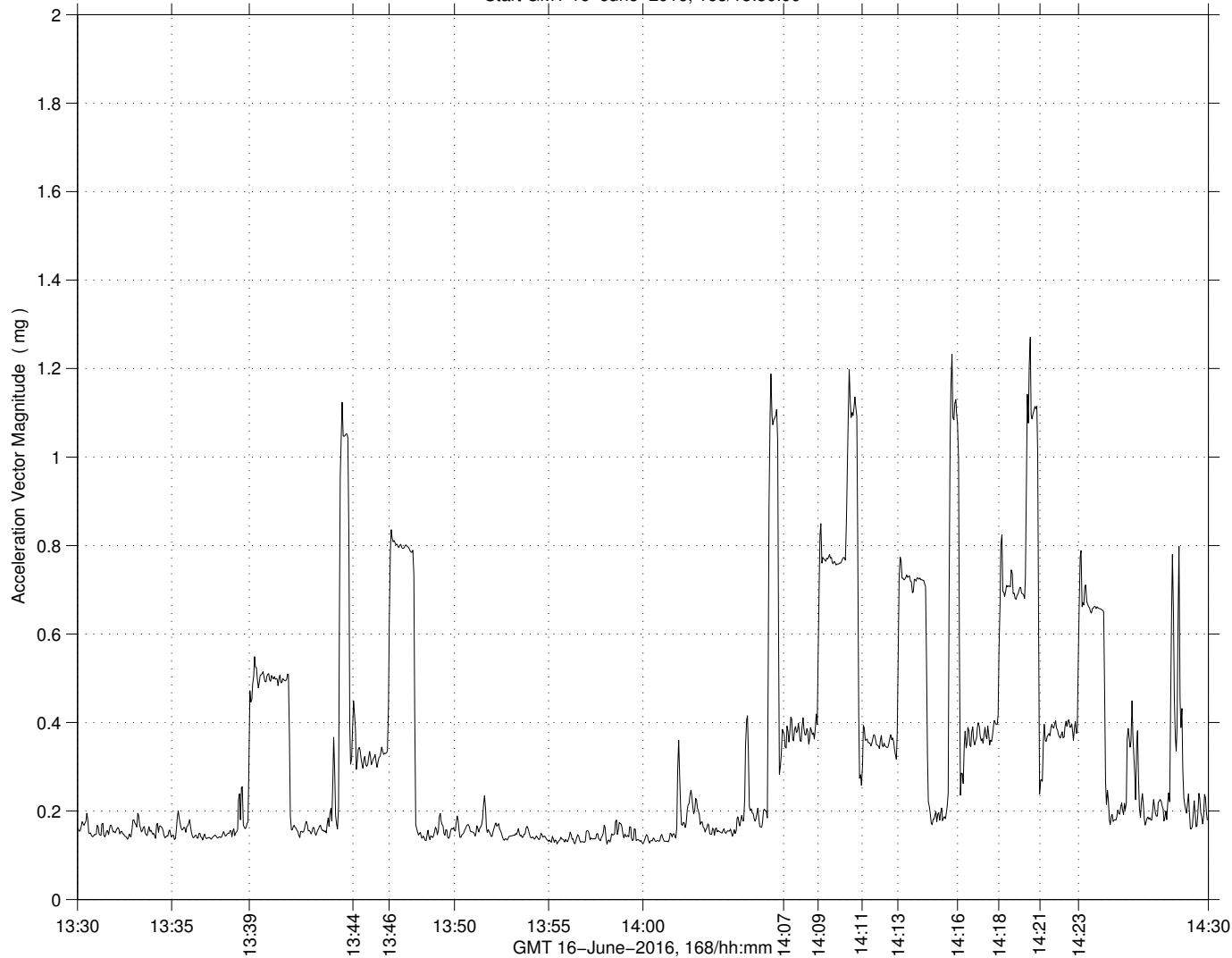
## Packed Bed Reactor Experiment (PBRE) 2016-06-16

samses, es03 at LAB1S2, MSG, Floor Plate OASIS:[150.40 57.72 183.90]  
0.33333 sa/sec (101.40 Hz)

SAMSES, es03, LAB1S2, MSG, Floor Plate PBRE, 101.4 Hz (250.0 s/sec)

Vector Magnitude  
Interval Average  
Size: 6.00, Step: 3.00 sec.

Start GMT 16-June-2016, 168/13:30:00



Description	
Sensor	SAMS es03 250.0 sa/sec, 101.4 Hz
Location	LAB1S2, MSG, Floor Plate OASIS
Plot Type	Interval Average

**Notes:**

- This plot shows a 6-second interval average of acceleration vector magnitude for the same span as the spectrogram on the previous page.
- This plot is an attempt and one way to quantify the impact of the PBRE ops.
- Baseline appears to be just under 0.2 mg in this span, with peaks near 1.2 mg.

Regime:	Vibratory
Category:	Equipment
Source:	Packed Bed Reactor Experiment 2016-06-16

