





Regime:	Vibratory	
Category:	ry: Equipment	
Source:	PK-4 SAMS Checkout	

via spectrogram.





PIMS ISS Acceleration Handbook Date last modified 2015-06-04

Glenn Research Center

PK-4 SAMS Checkout Quantify

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PK4-SAMS C/O

sams2, 121f08 at COL1A3, EPM, near PK-4:[371.17 287.43 165.75]

500.0000 sa/sec (200.00 Hz)

Description				
Sensor	SAMS 121f08 500.0 sa/sec, 200.0 Hz			
Location	COL1A3, EPM, near PK-4			
Plot Type	Acceleration vs. Time			
 Notes: This 3-axis plot of acceleration versus time corresponds to the same span as the 				

- spectrogram shown on the previous page. Most notably, see the valve-induced event • markers on all 3 axes starting at about GMT 15:35.
- Furthermore, it seems that the valve • actuation was aligned primarily with the Yaxis, and the XY-plane.
- Acceleration peak-to-peak magnitudes ٠ were over 120 mg on the Y-axis alone.

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SSAnalysis[0.0 0.0 0.0]

PK-4 SAMS Checkout Quantify

SSAnalysis[0.0 0.0 0.0]	Description			
	Sensor	SAMS 121f08 500.0 sa/sec, 200.0 Hz		
	Location	COL1A3, EPM, near PK-4		
	Plot Type	Acceleration vs. Time		
	 Notes: This 3-axis is a zoomon the prevont the p	s plot of acceleration versus time in on the time axis from the plot vious page. an clearly see ten cycles (bangs) K-4-related valve to produce cers every 7 seconds. after each big bang from the e is a much smaller vibratory at follows about 2 seconds after big bang. This may be to reseat n preparation for the next cycle.		

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sams2, 121f08 at COL1A3, EPM, near PK-4:[371.17 287.43 165.75]

PK4-SAMS_C/O

Start GMT 02-June-2015, 153/15:10:00.001

15:35:51.843 15:35:25.867 15:35:39.891 15:35:53.914 15:36:07.938 15:35:04.891 15:35:18.914 15:35:32.820 15:35:46.843 15:36:00.867 GMT 02–June–2015, 153/hh:mm

500.0000 sa/sec (200.00 Hz)

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Y-Axis Acceleration (mg)

Z-Axis Acceleration (mg)

X-Axis Acceleration (mg)

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