

Appendix H - Interval Min/Max Plots for MGM Experiment Times (Orbiter SAMS TSH B)

For post-mission correlation with science data acquired for the MGM experiment, the SAMS TSH B data collected on Endeavour were analyzed using 1-second interval min/max plots for a number of experiment run time frames totaling more than 25 hours. The plots in this appendix are the set for TSH B. The MGM science requirement threshold is shown on the plots as the horizontal dashed lines at ± 1 mg. The overall min/max values on a per plot basis are shown with the text to the right of each axis' plot with the corresponding times that the min/max values occurred, respectively.

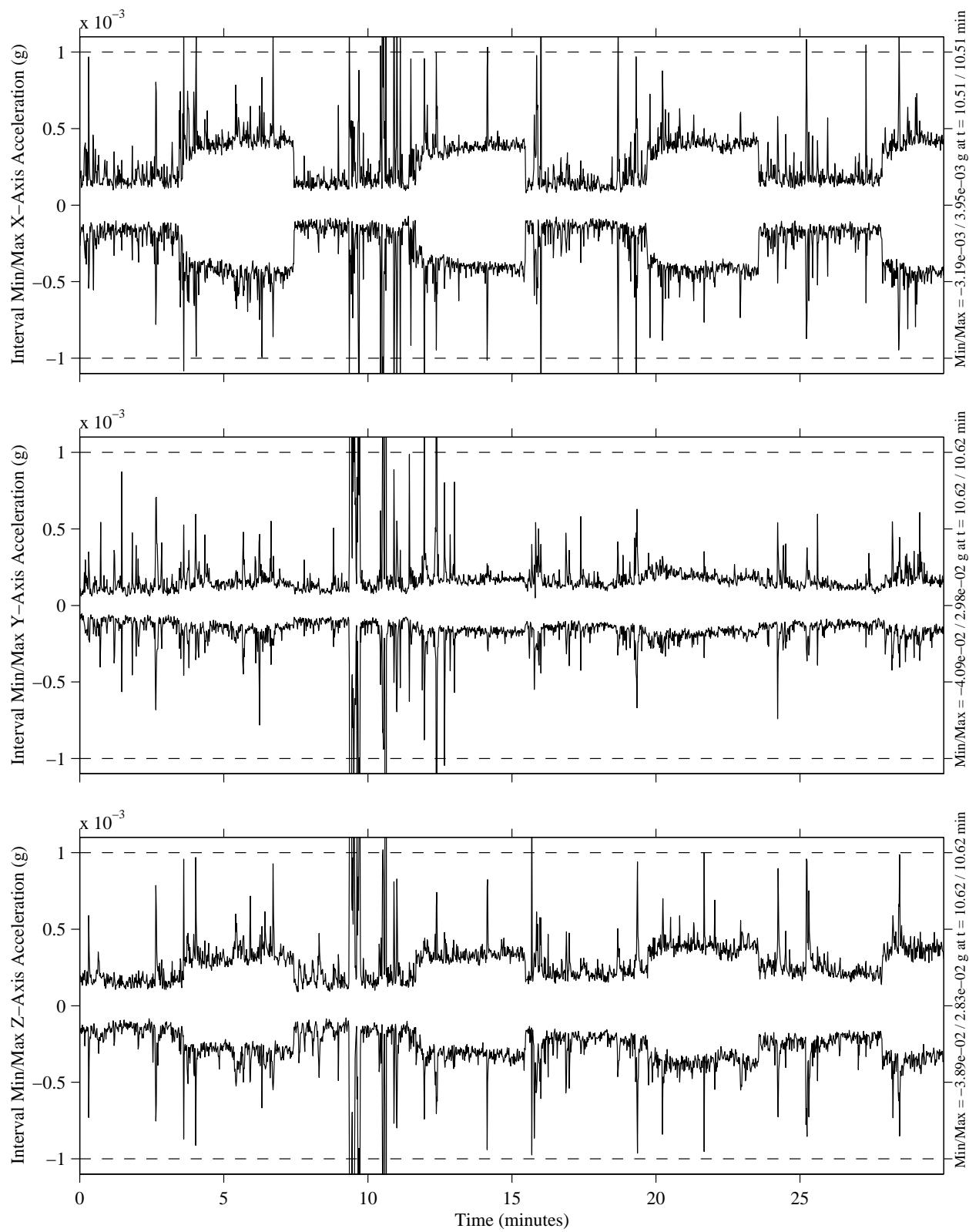
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 000/20:55:00.997



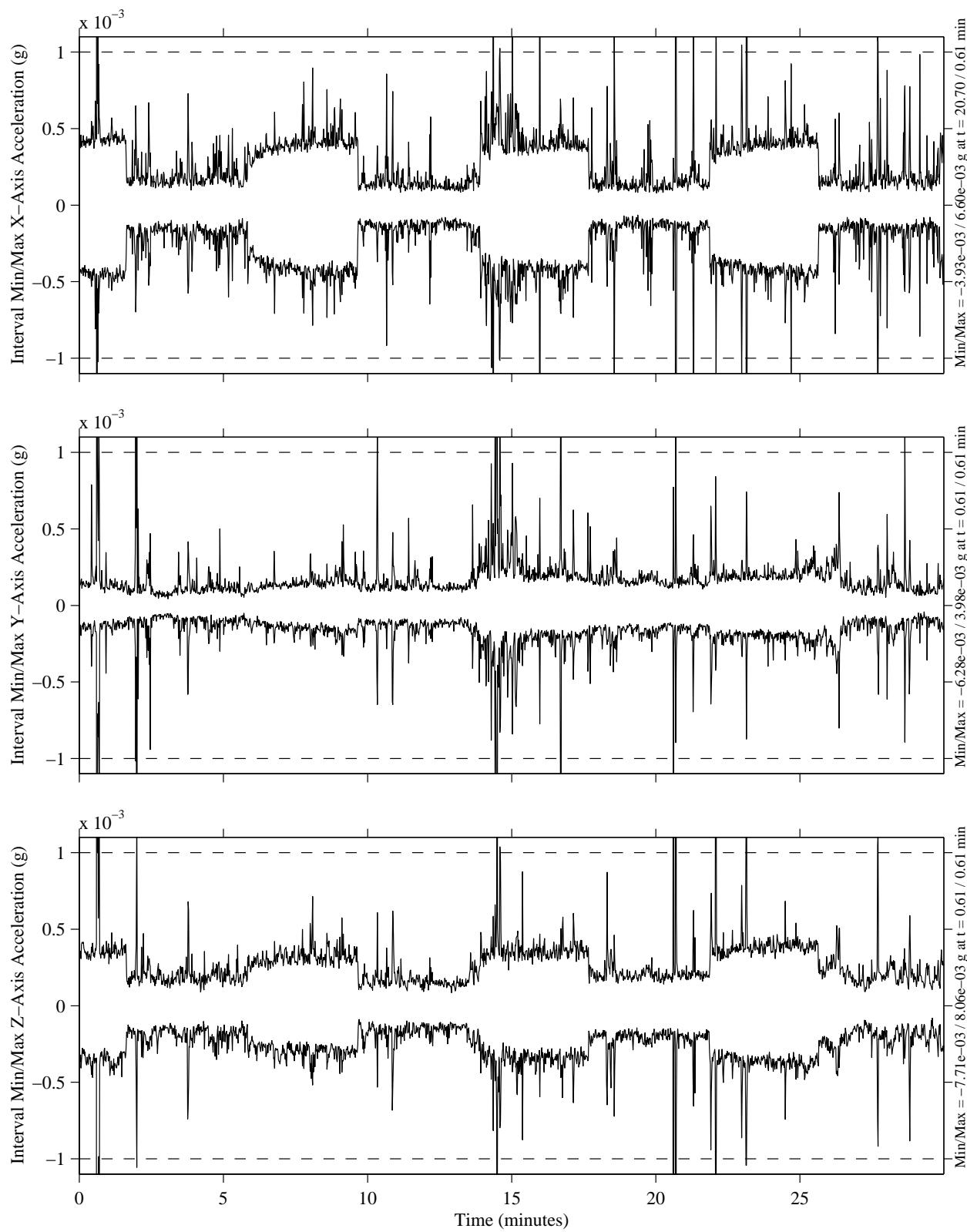
MATLAB: 20-Oct-1998, 08:32 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 000/21:25:00.995



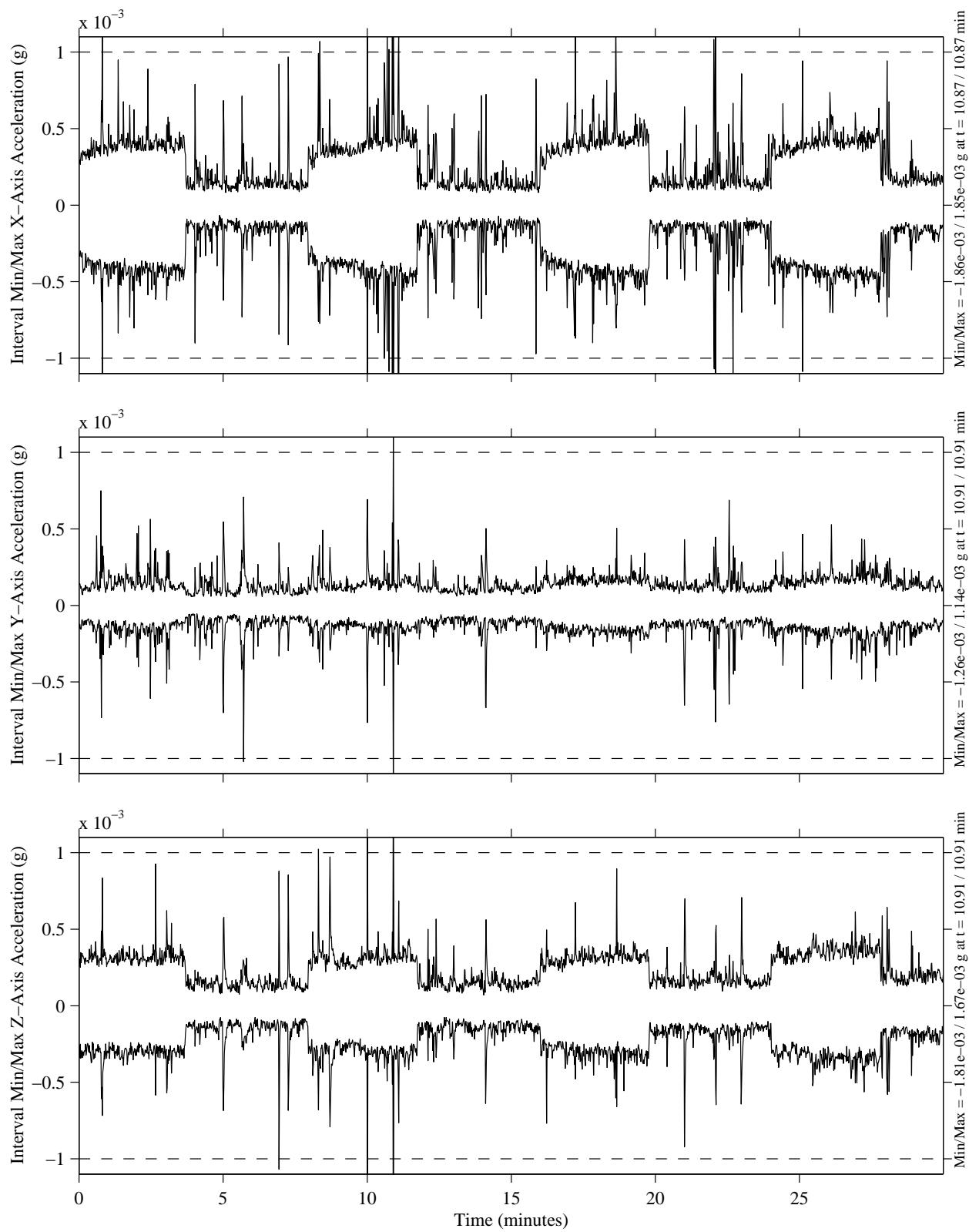
MATLAB: 20-Oct-1998, 08:32 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 000/21:55:00.994



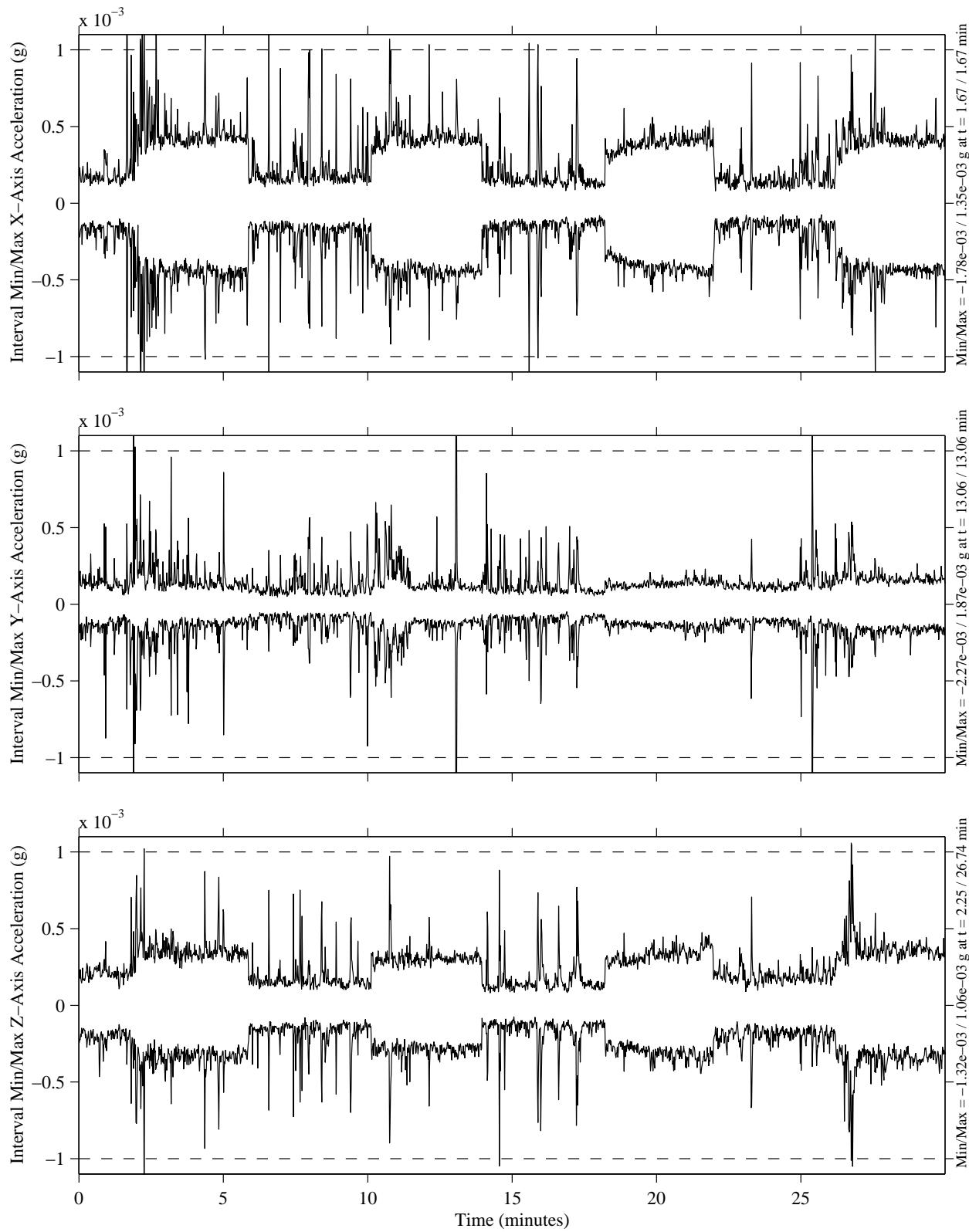
MATLAB: 20-Oct-1998, 08:32 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 000/22:25:00.993



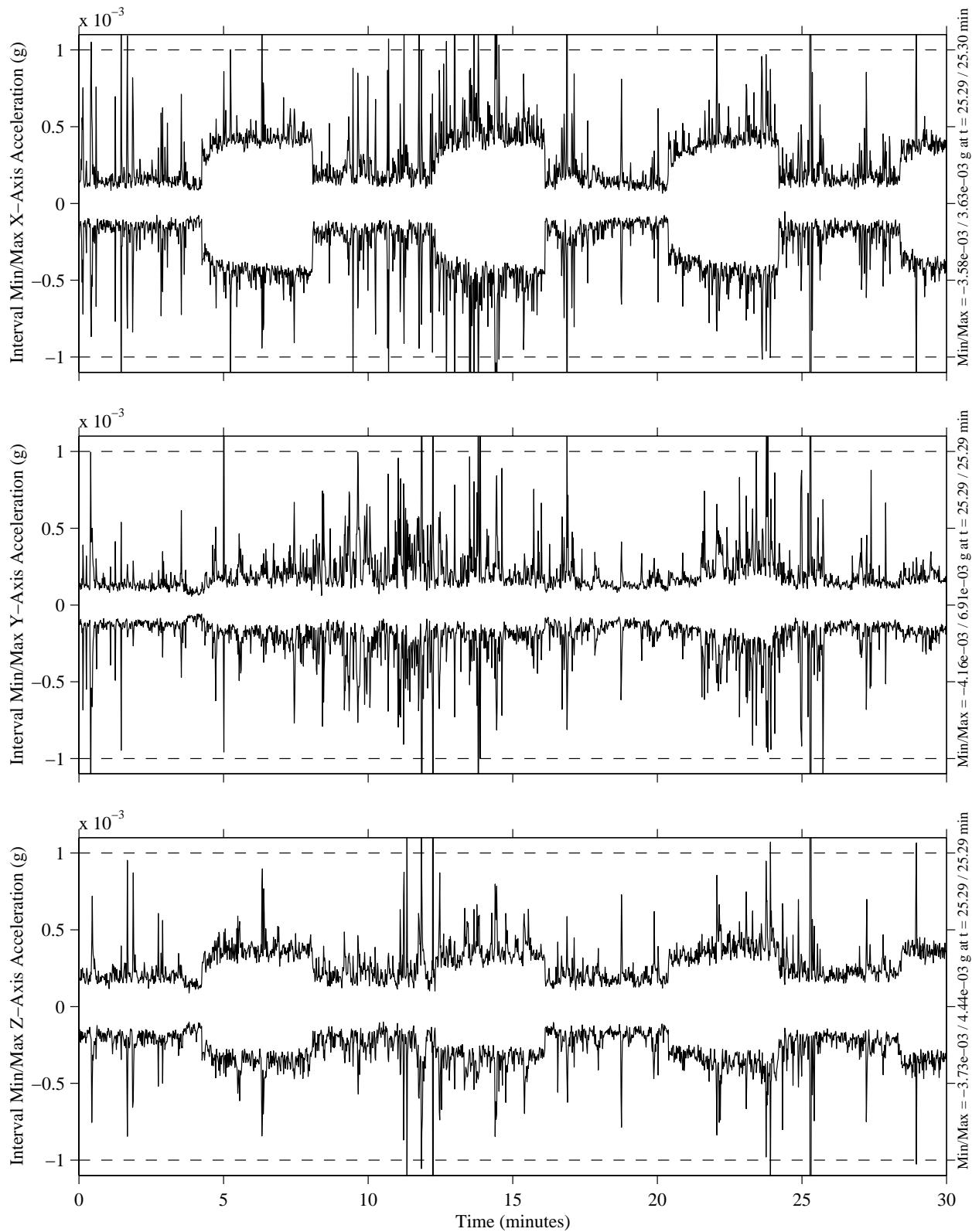
MATLAB: 20-Oct-1998, 08:32 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 000/22:55:00.992



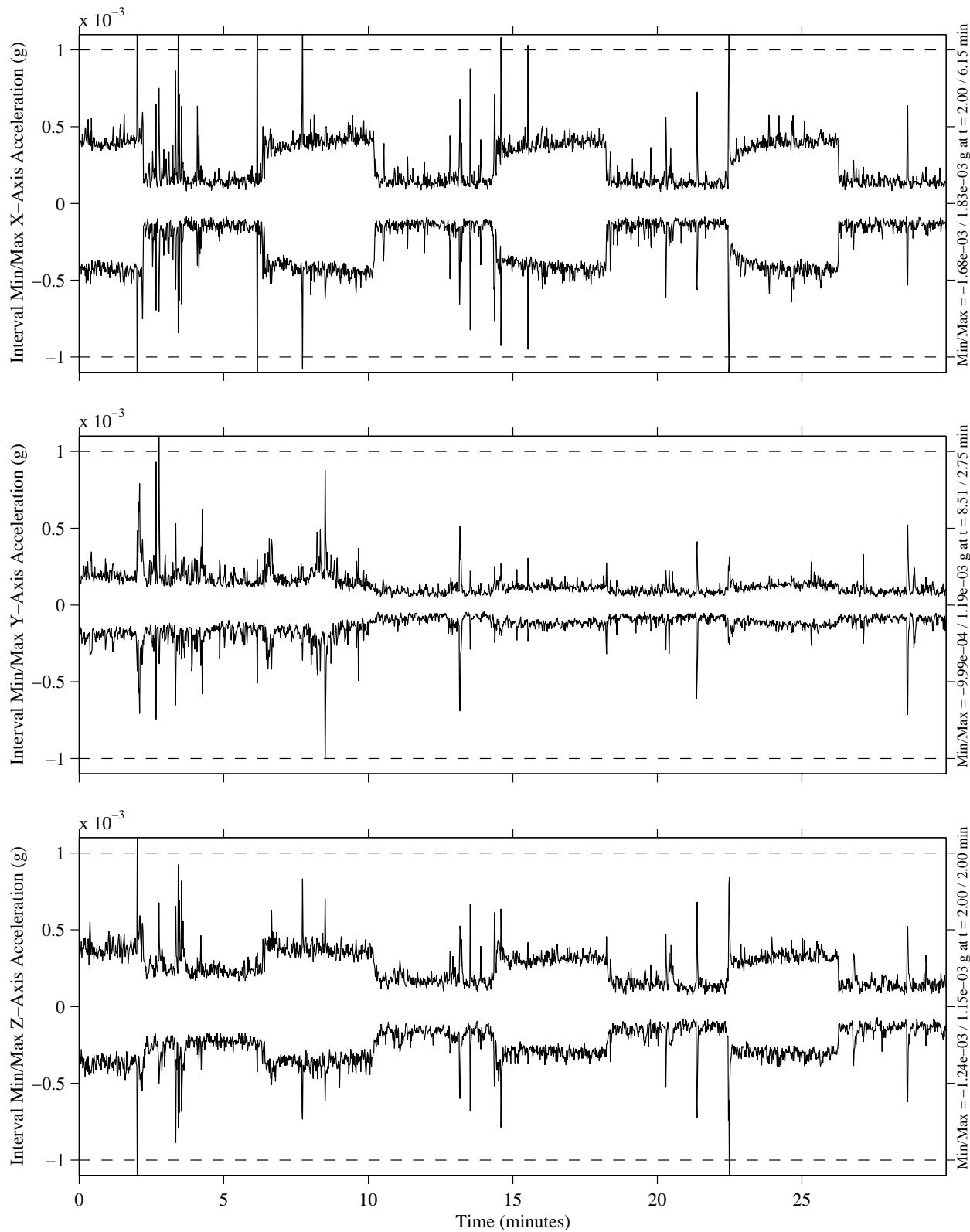
MATLAB: 20-Oct-1998, 08:33 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 000/23:25:00.999



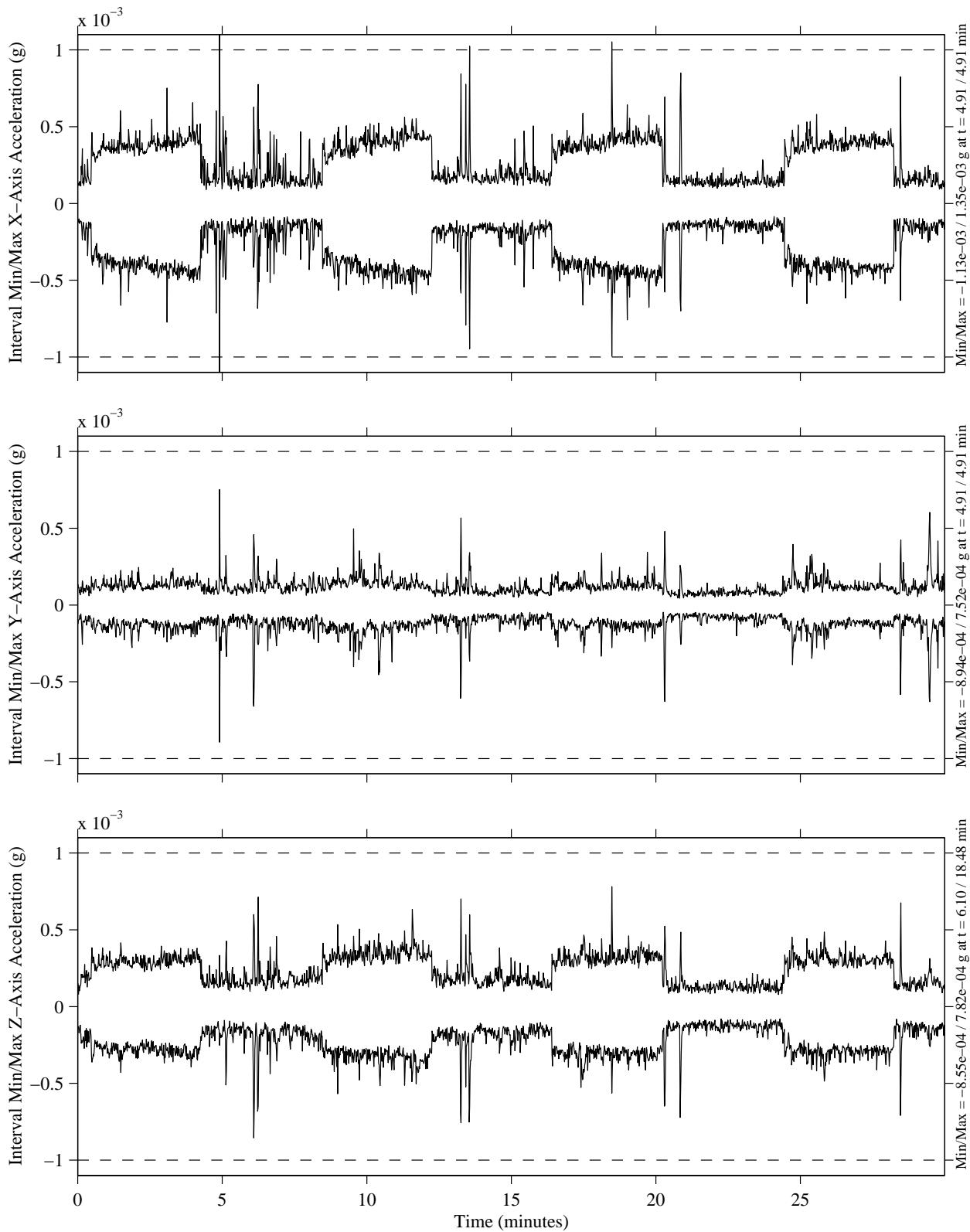
MATLAB: 20-Oct-1998, 08:33 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 000/23:55:00.998



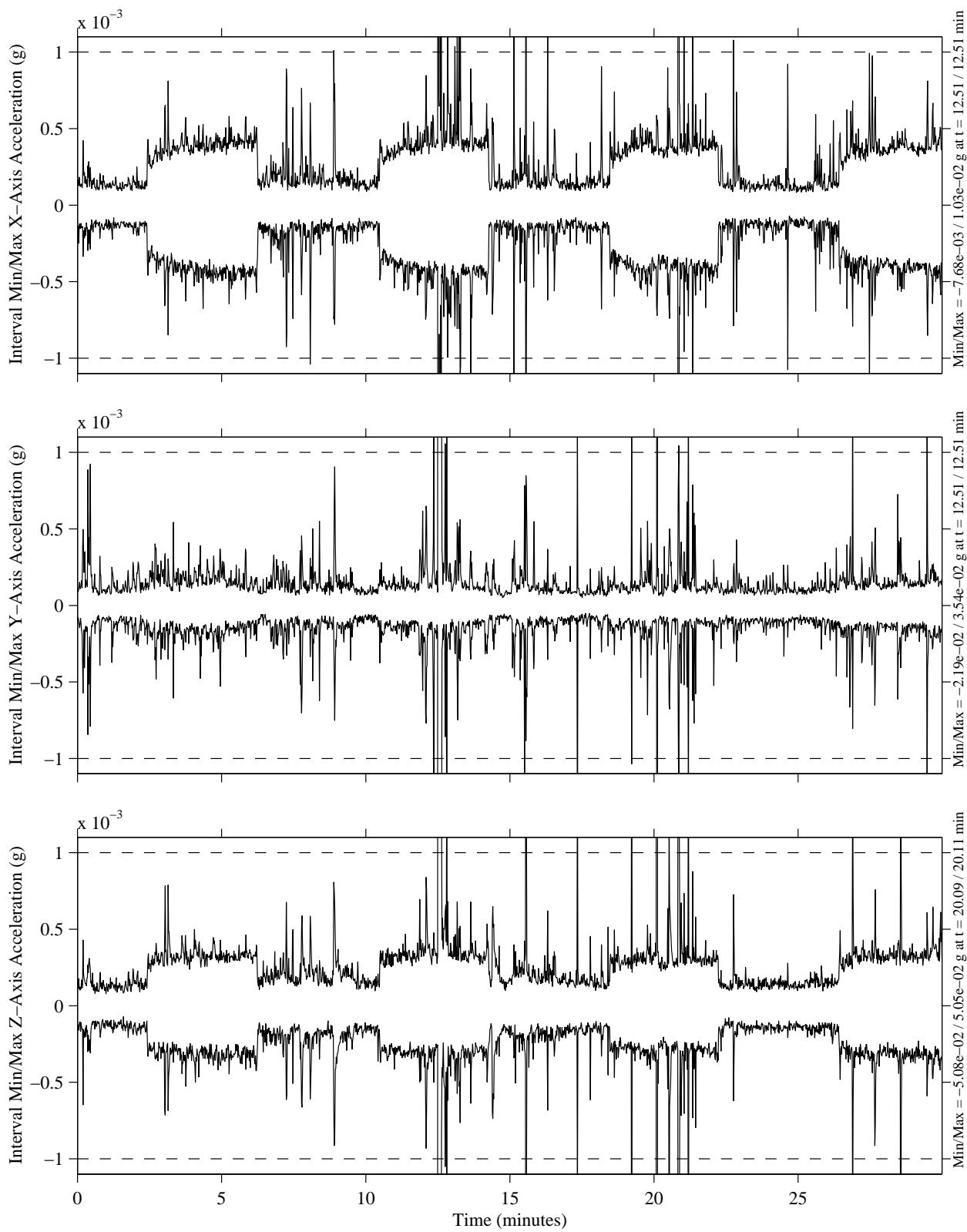
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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 Interval=1.00 seconds

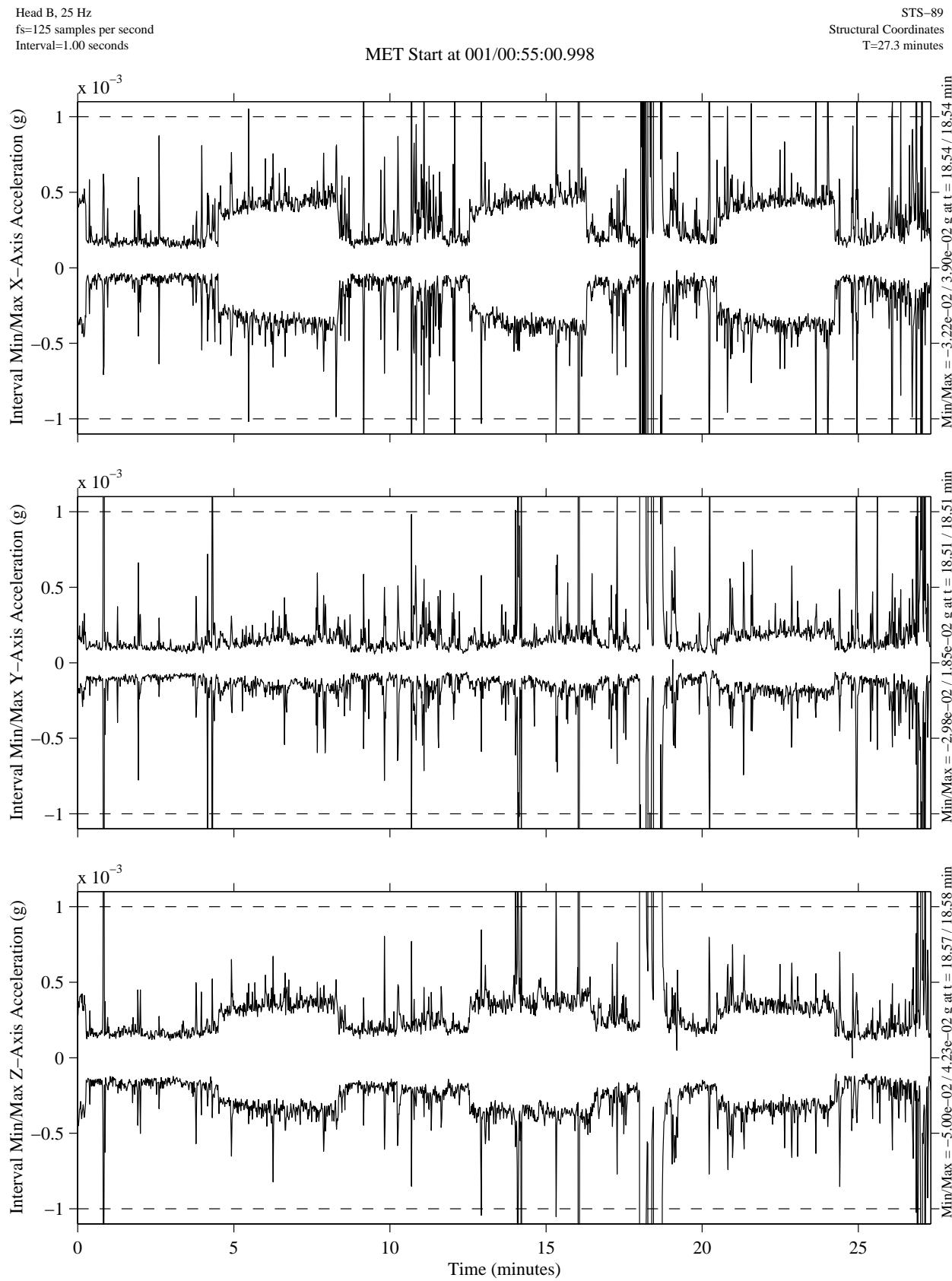
STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 001/00:25:00.998



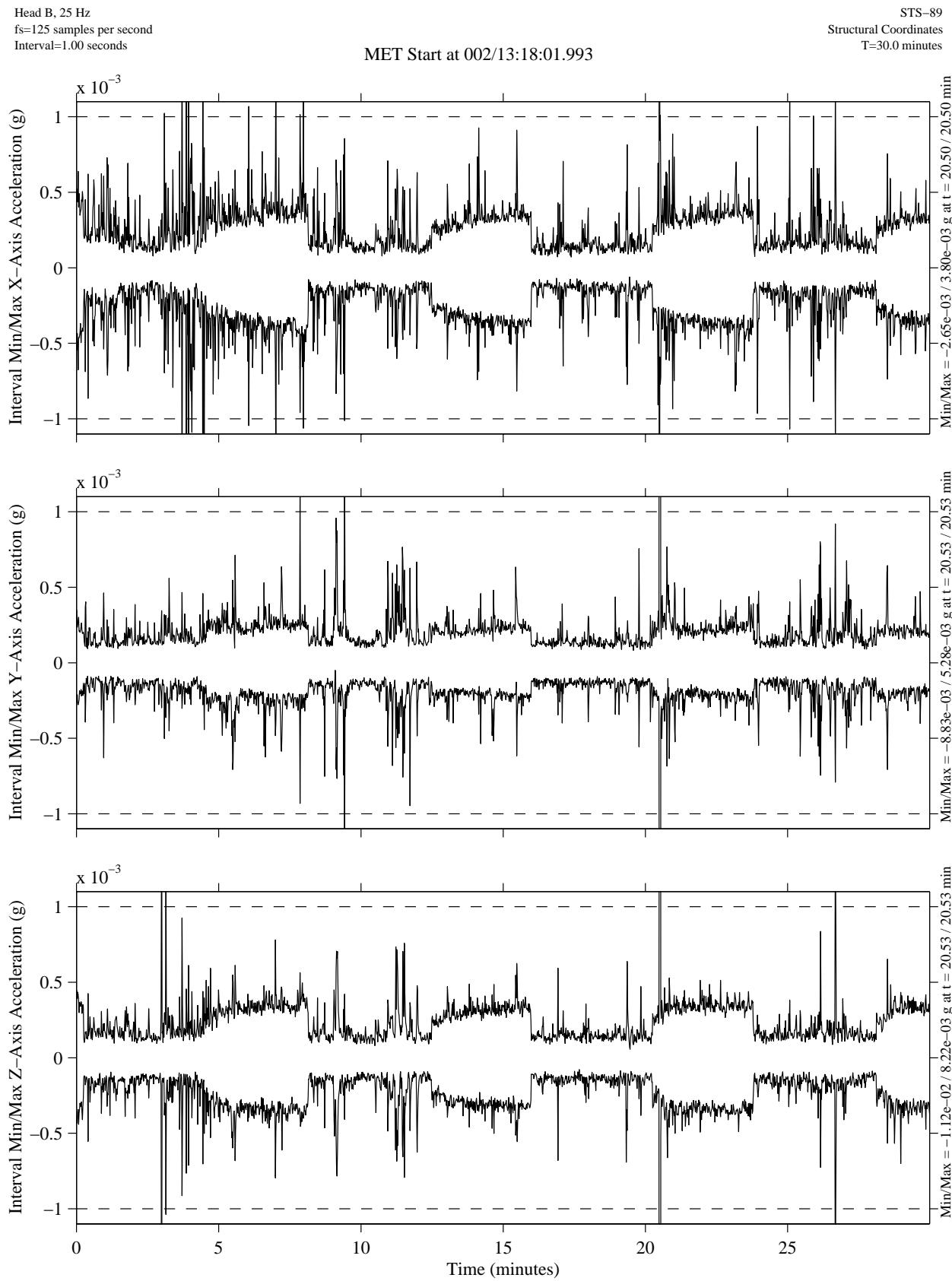
MATLAB: 20-Oct-1998, 08:34 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



MATLAB: 20-Oct-1998, 08:34 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



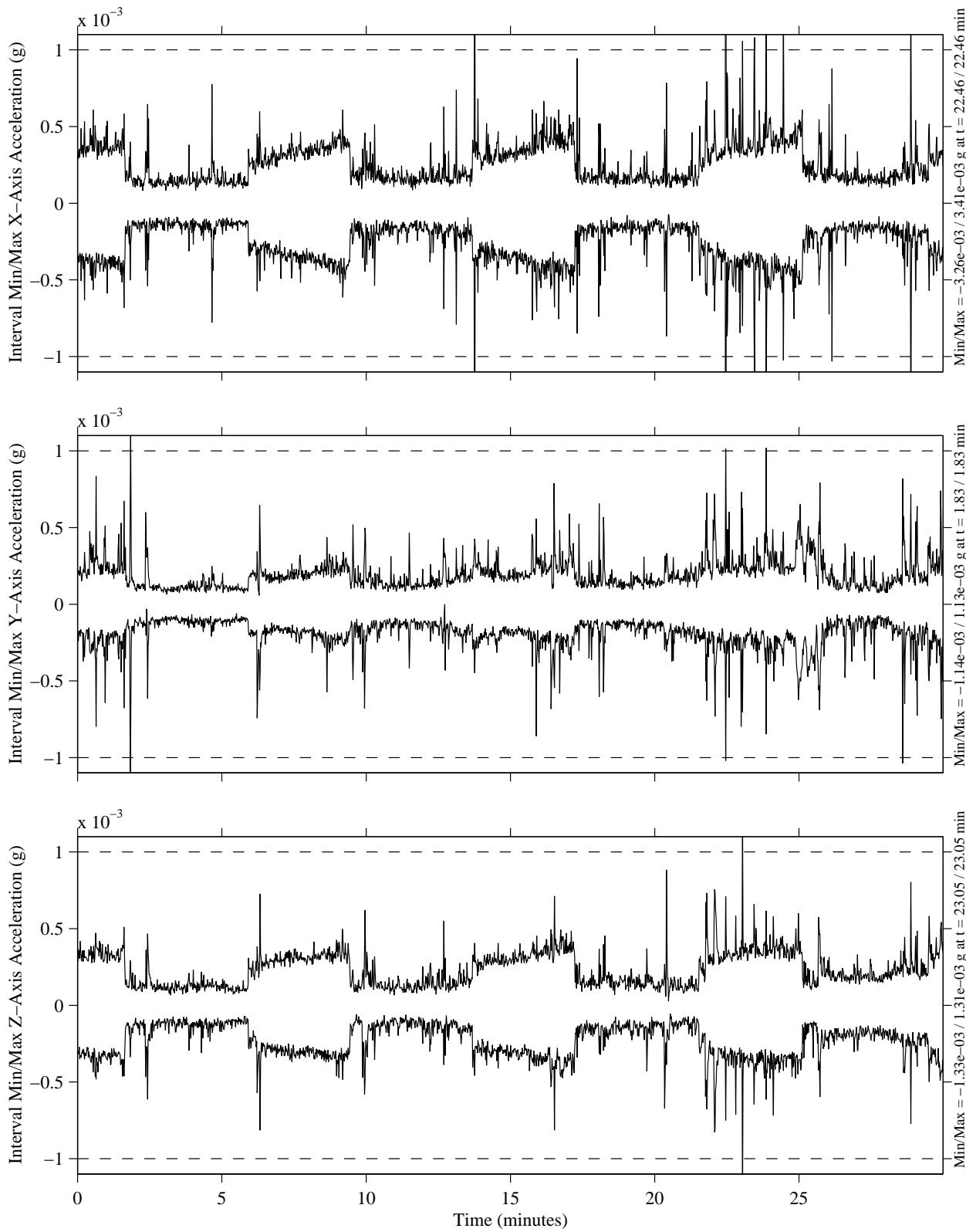
MATLAB: 20-Oct-1998, 07:35 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 002/13:48:01.996



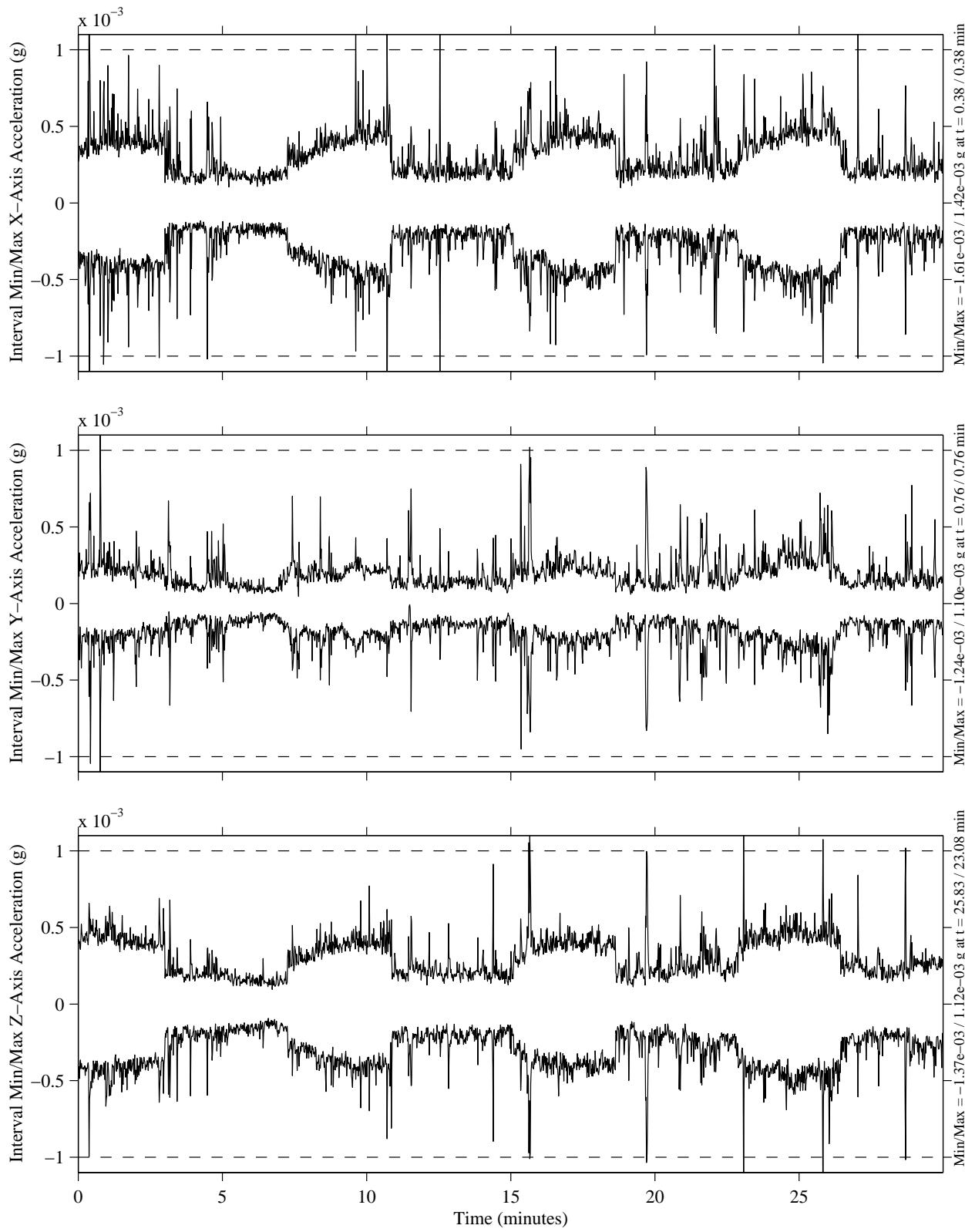
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 002/14:18:01.994



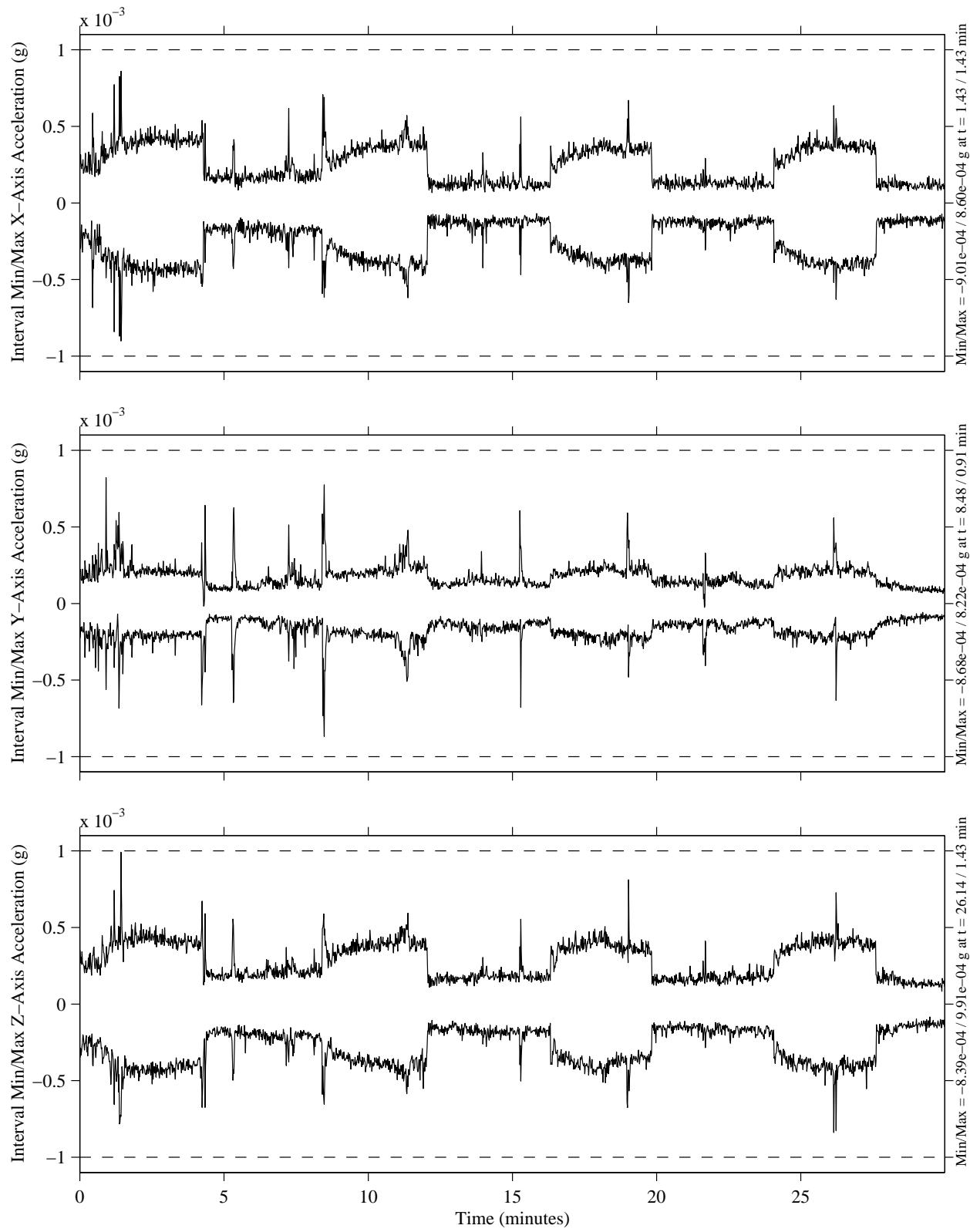
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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Interval=1.00 seconds

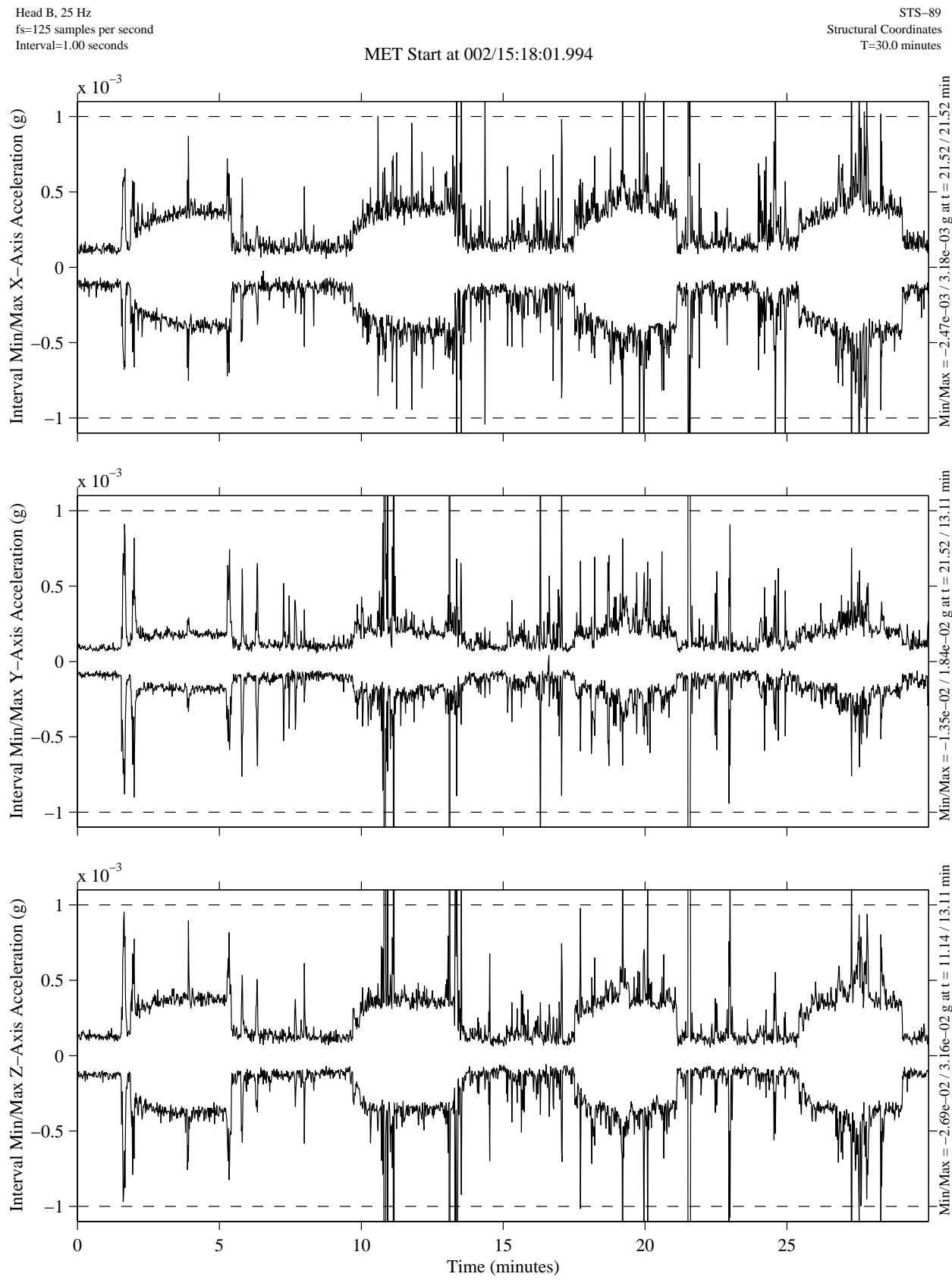
STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 002/14:48:01.997



MATLAB: 20-Oct-1998, 07:36 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



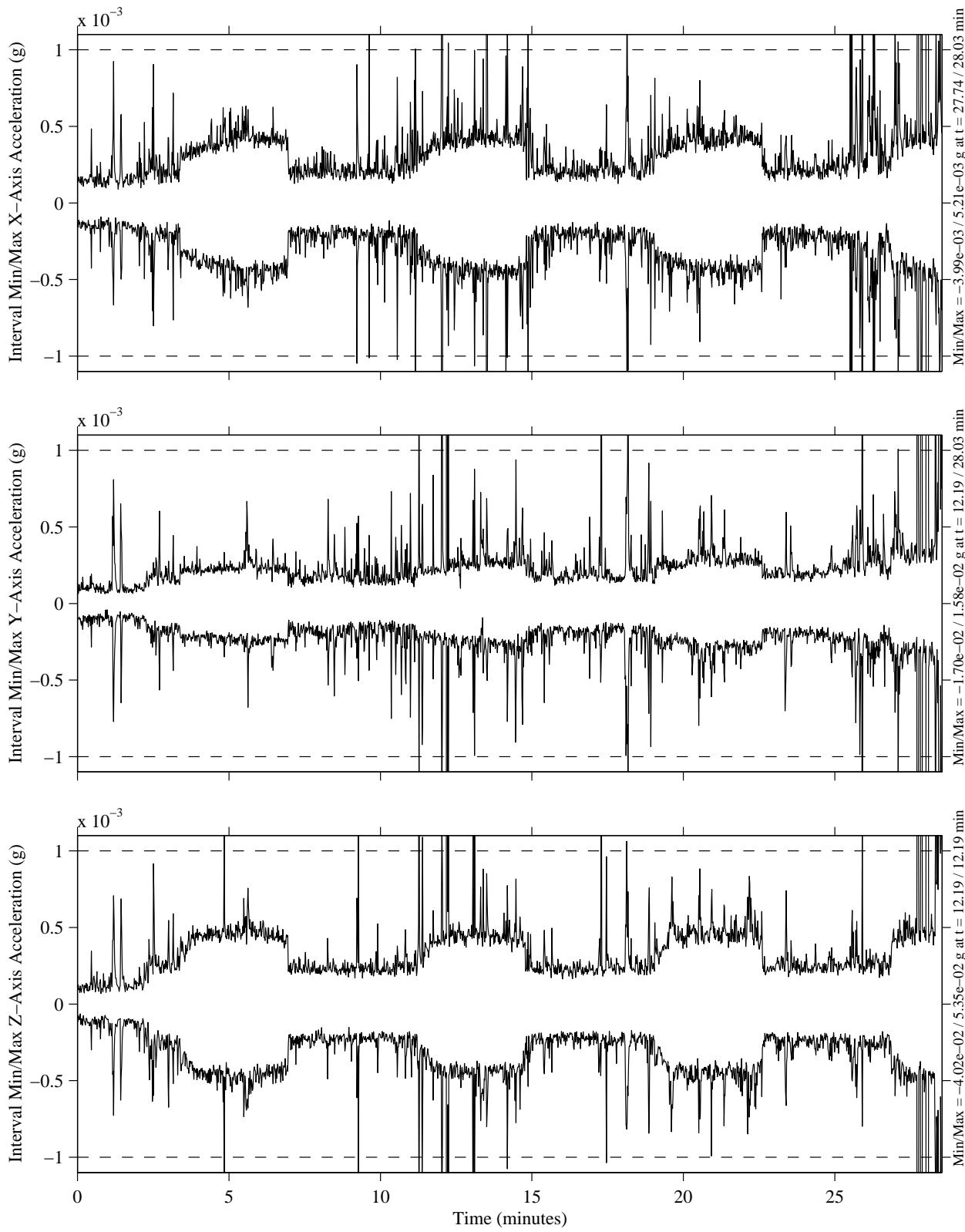
MATLAB: 20-Oct-1998, 07:36 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=28.5 minutes

MET Start at 002/15:48:01.997



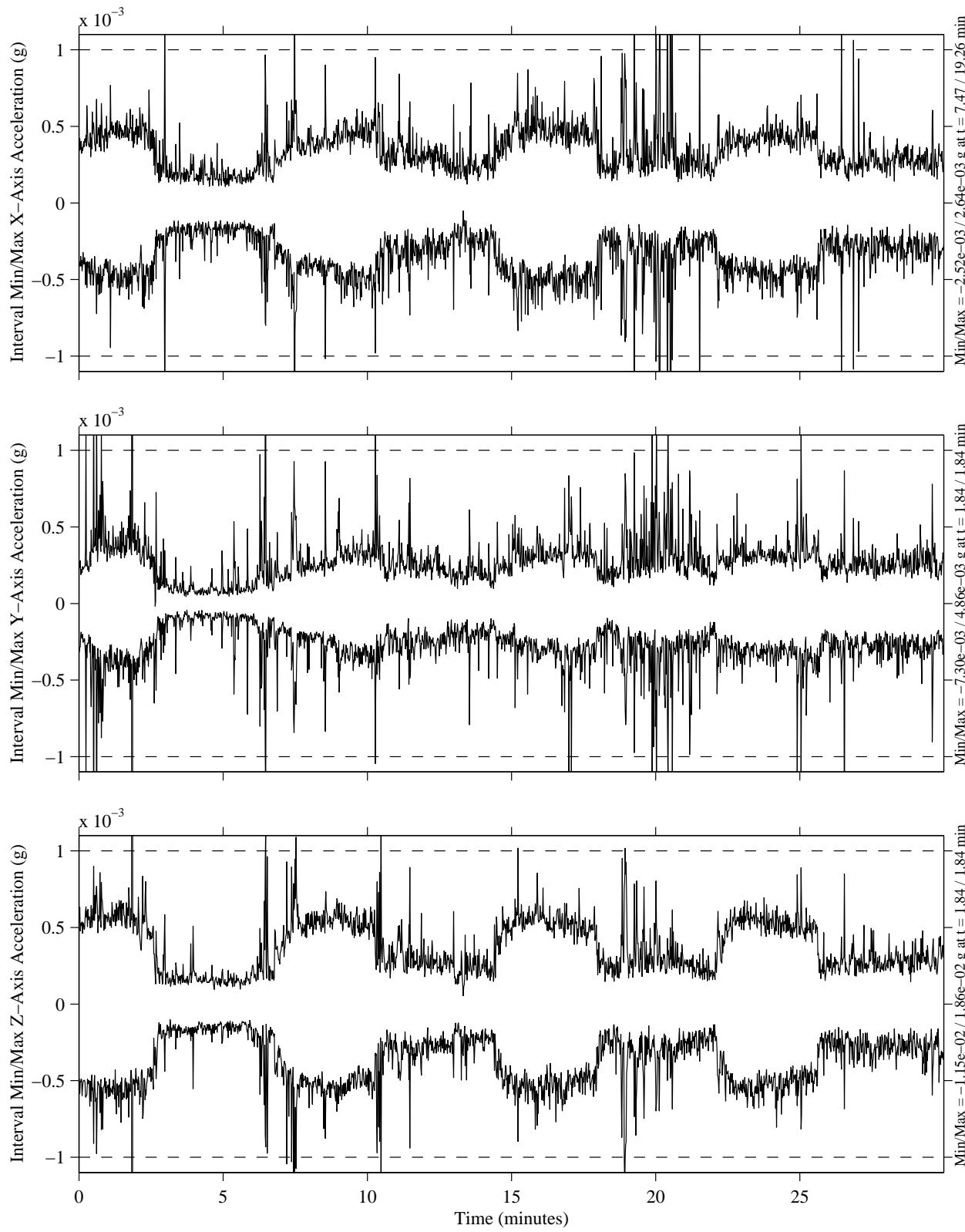
MATLAB: 20-Oct-1998, 08:12 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 003/13:07:00.997



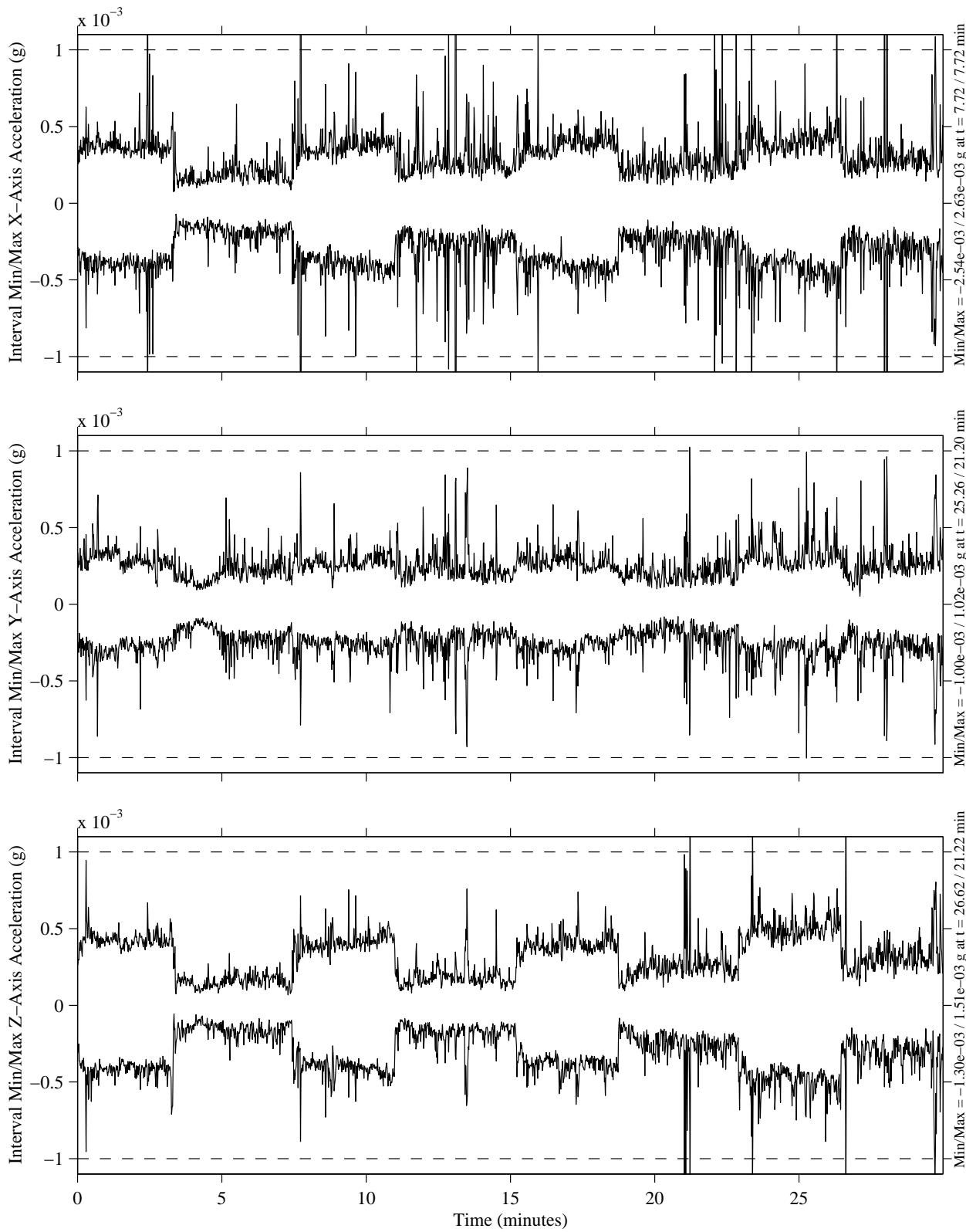
MATLAB: 20-Oct-1998, 09:47 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 $f_s = 125$ samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 $T = 30.0$ minutes

MET Start at 003/13:37:00.993



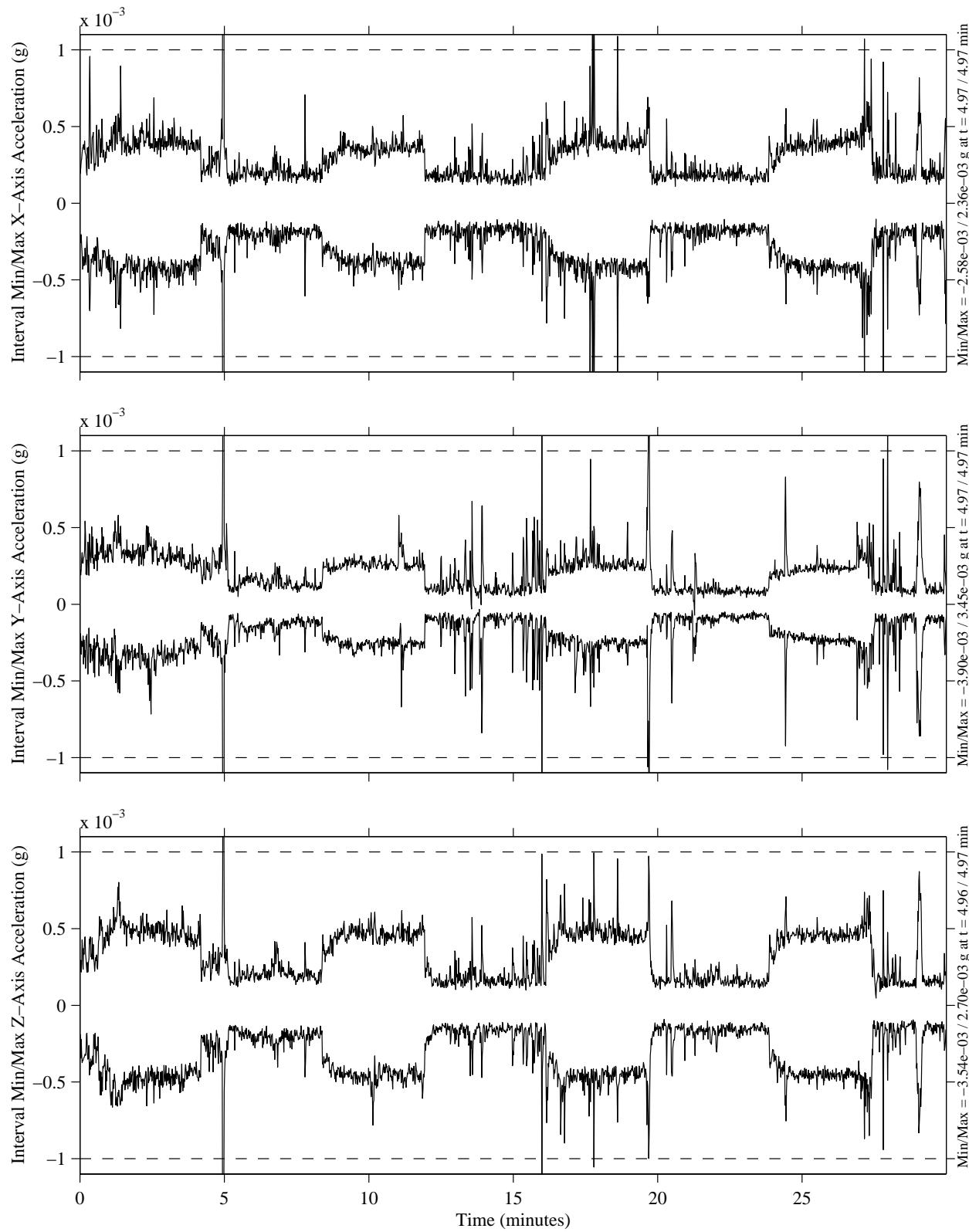
MATLAB: 20-Oct-1998, 09:47 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 003/14:07:00.998



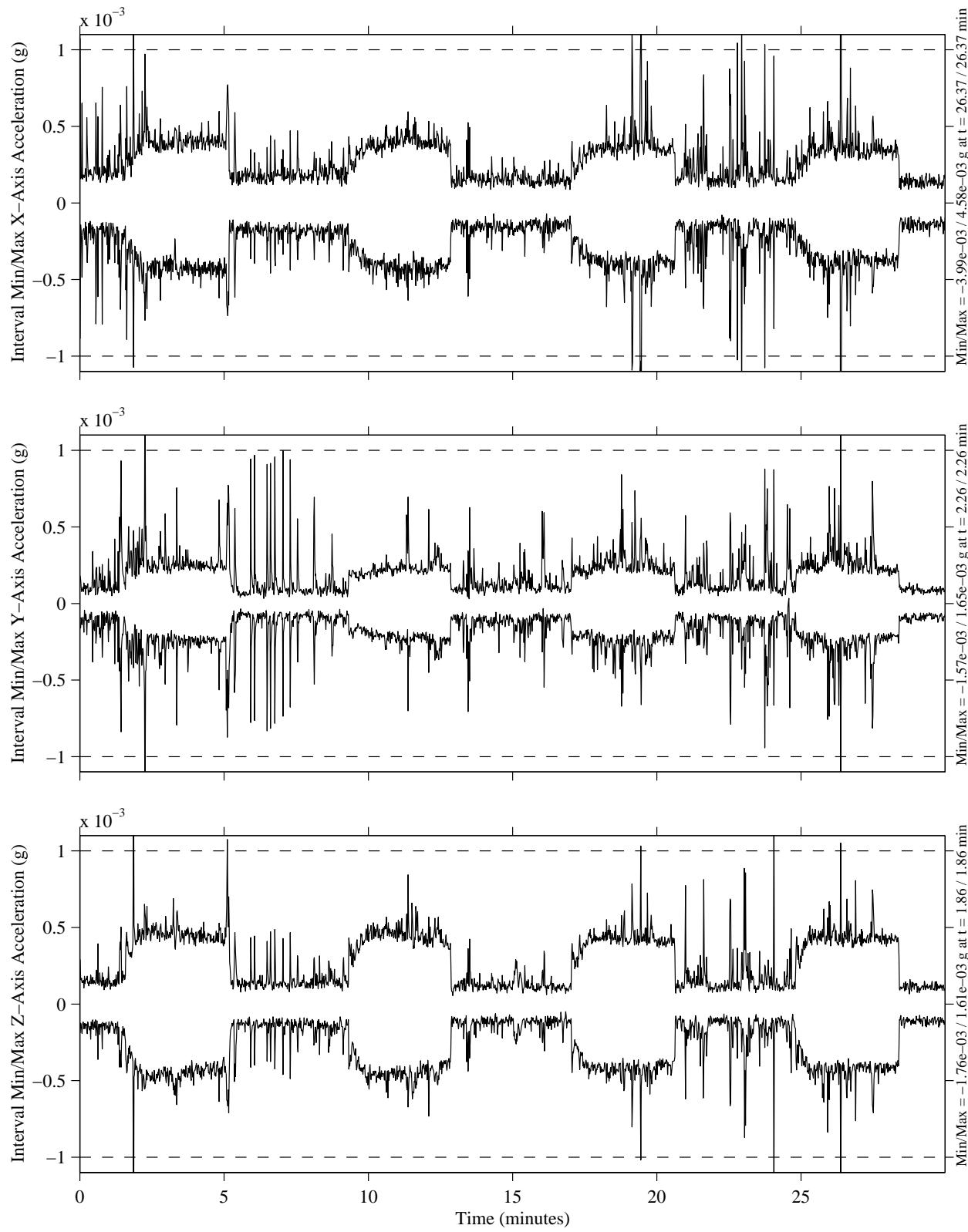
MATLAB: 20-Oct-1998, 09:48 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 003/14:37:00.994



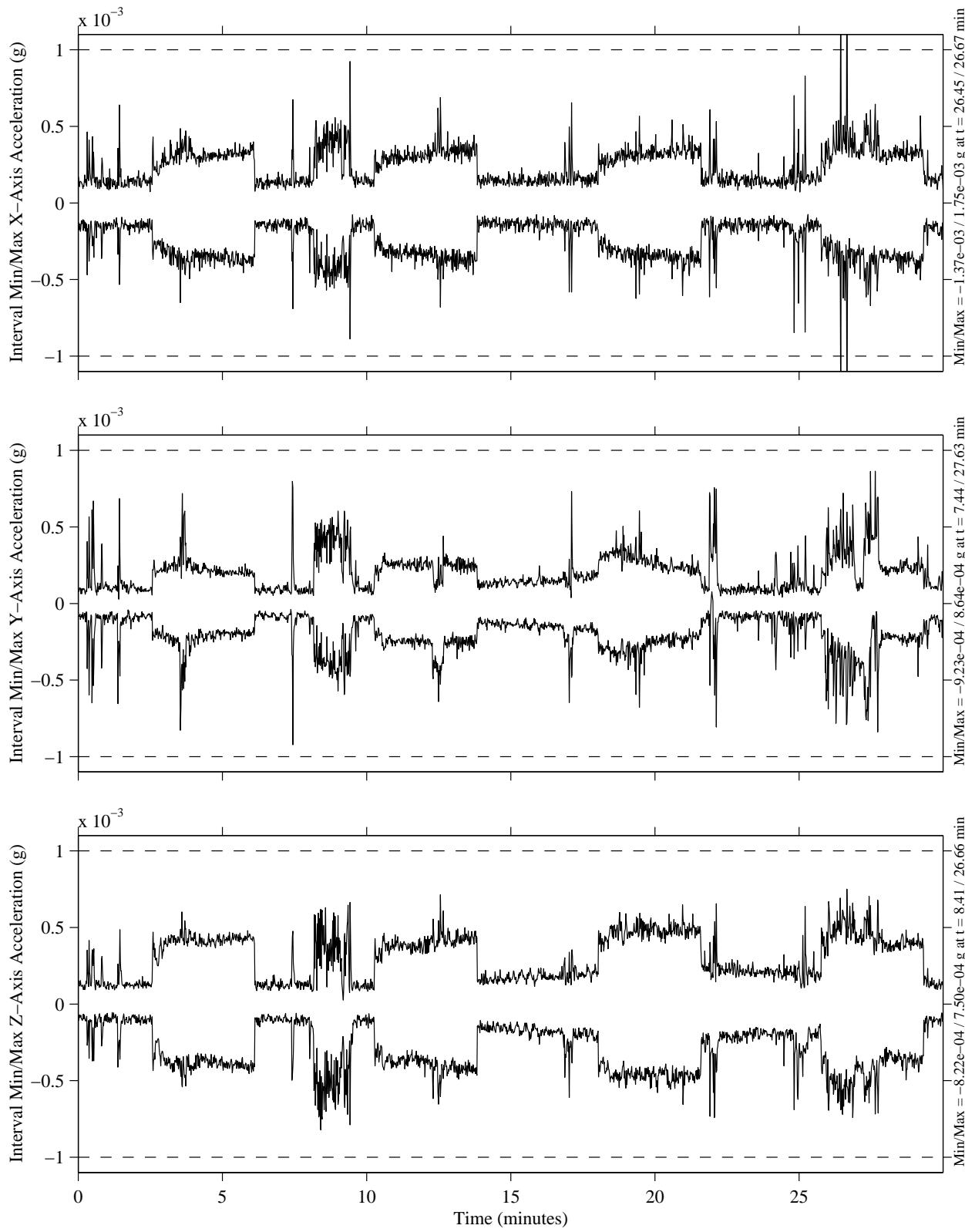
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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Interval=1.00 seconds

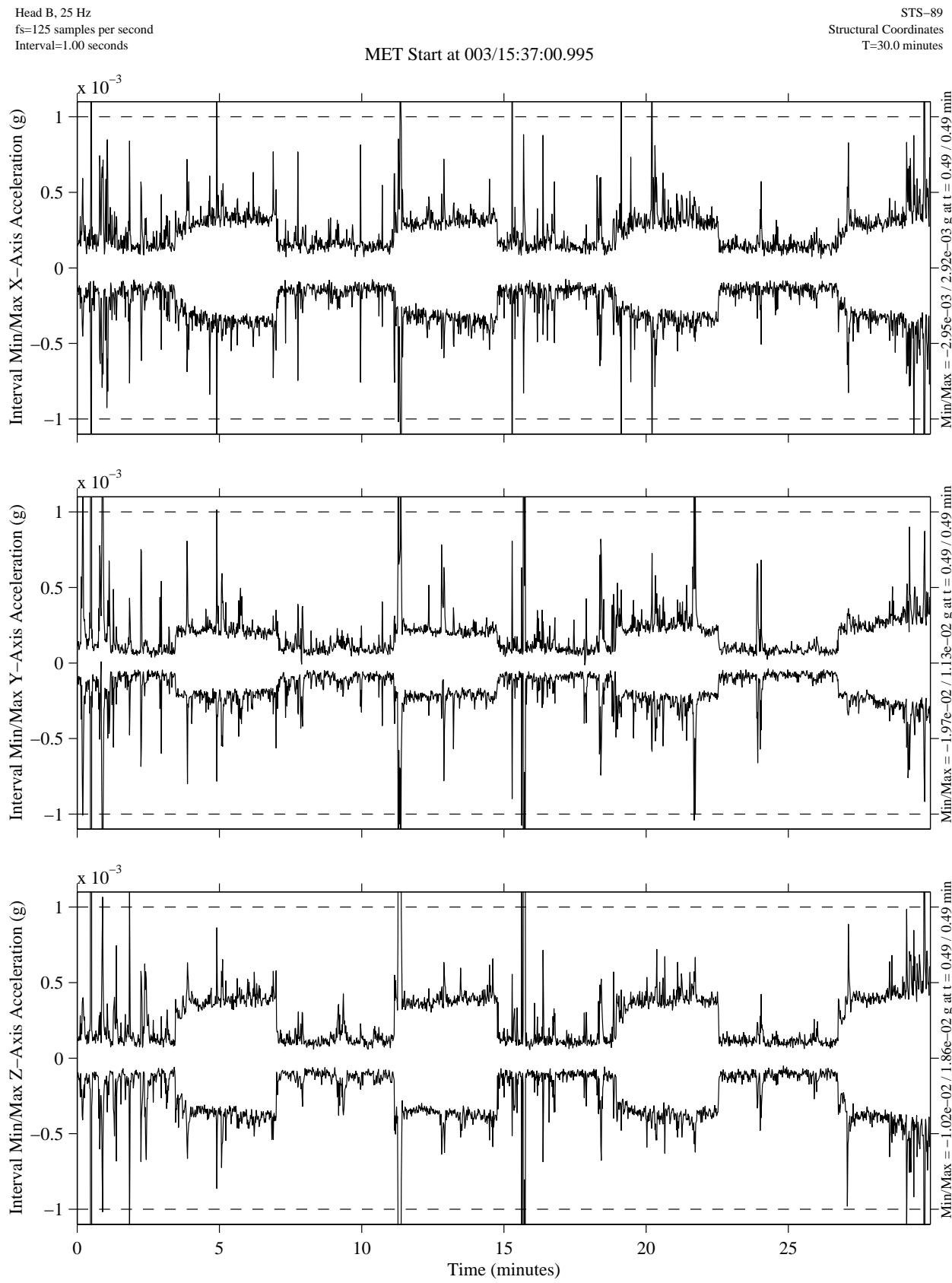
STS-89
Structural Coordinates
T=30.0 minutes

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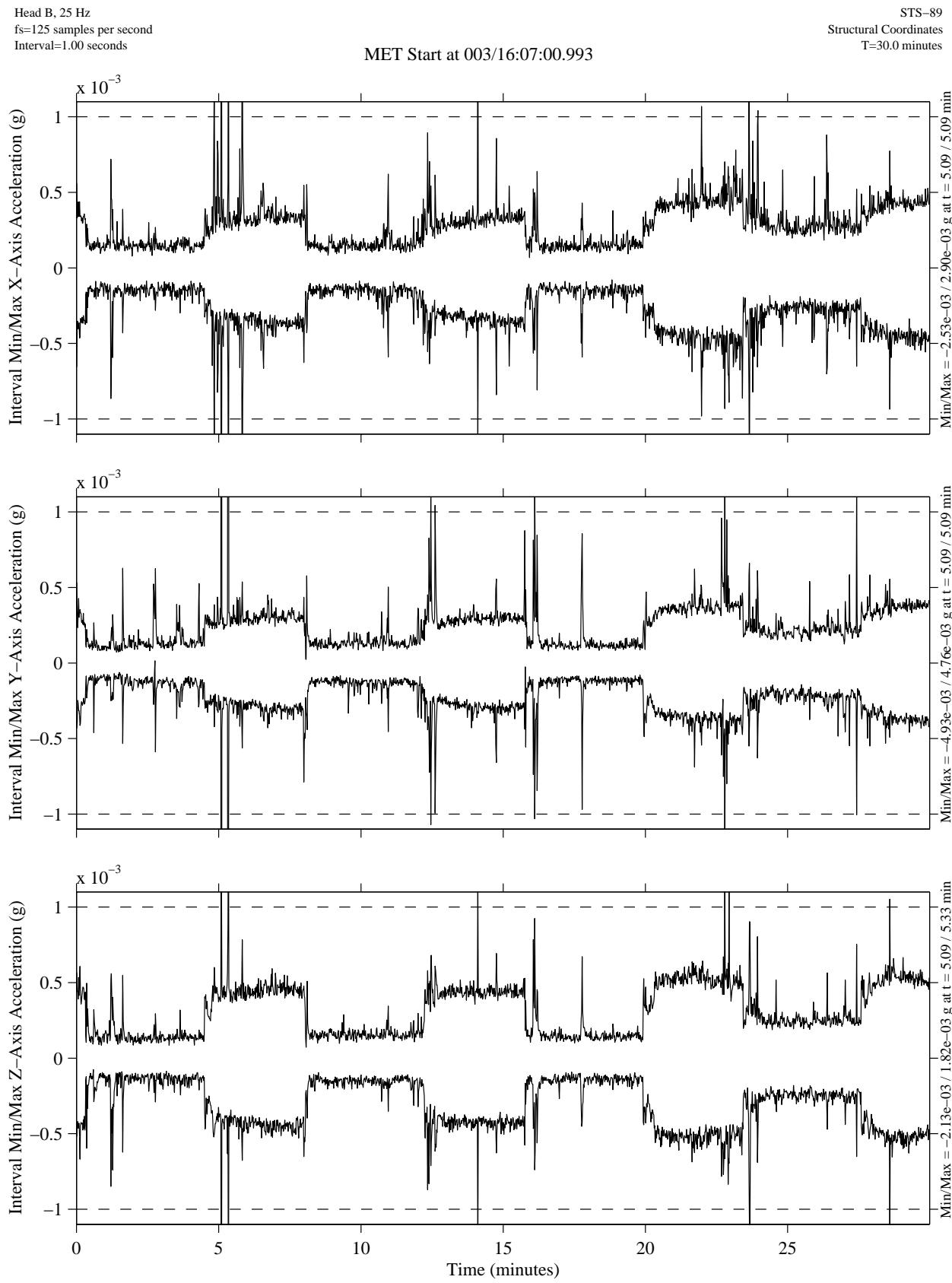
MATLAB: 20-Oct-1998, 09:48 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



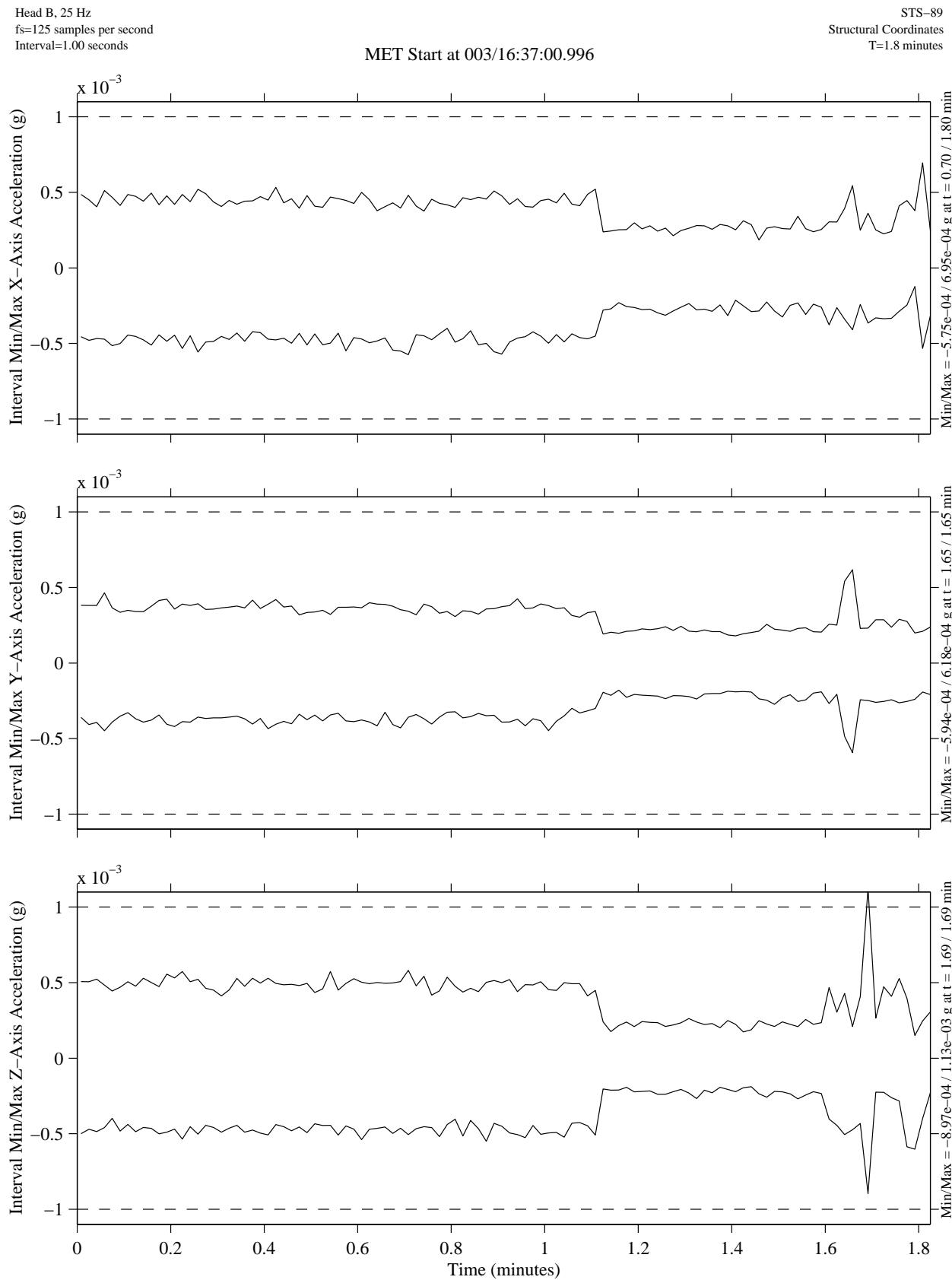
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



MATLAB: 20-Oct-1998, 09:49 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



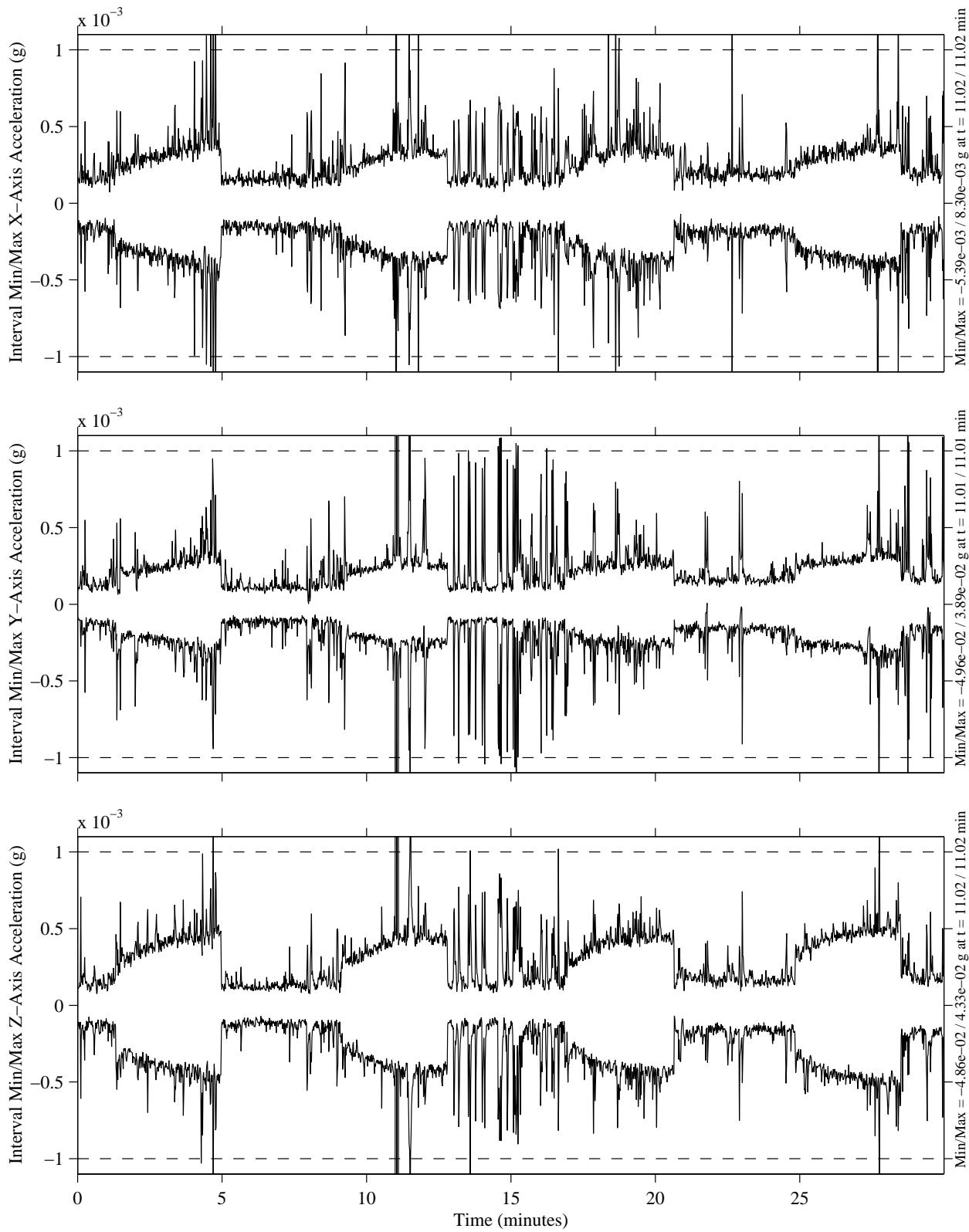
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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Interval=1.00 seconds

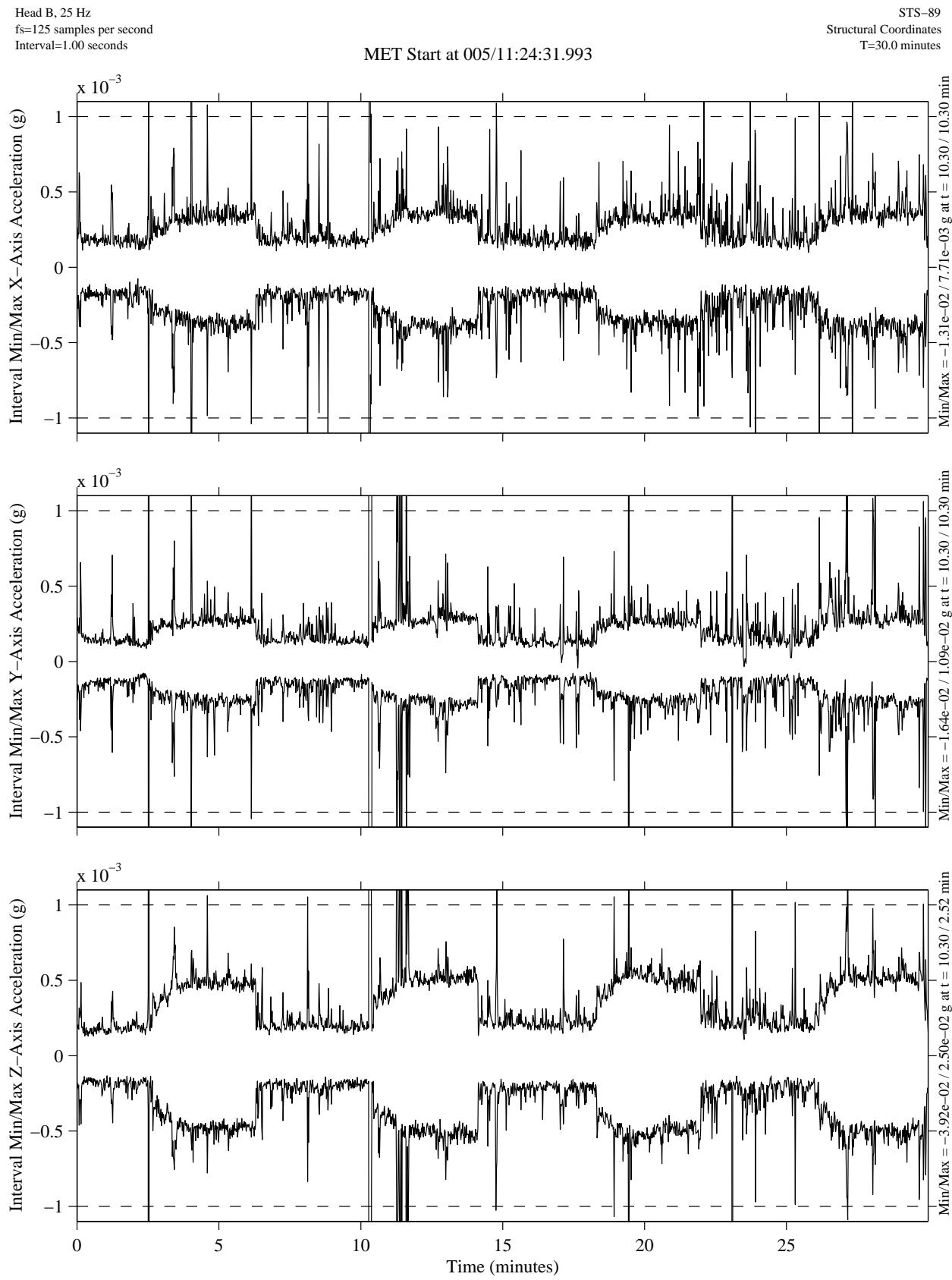
STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 005/10:54:32.000



MATLAB: 20-Oct-1998, 10:05 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



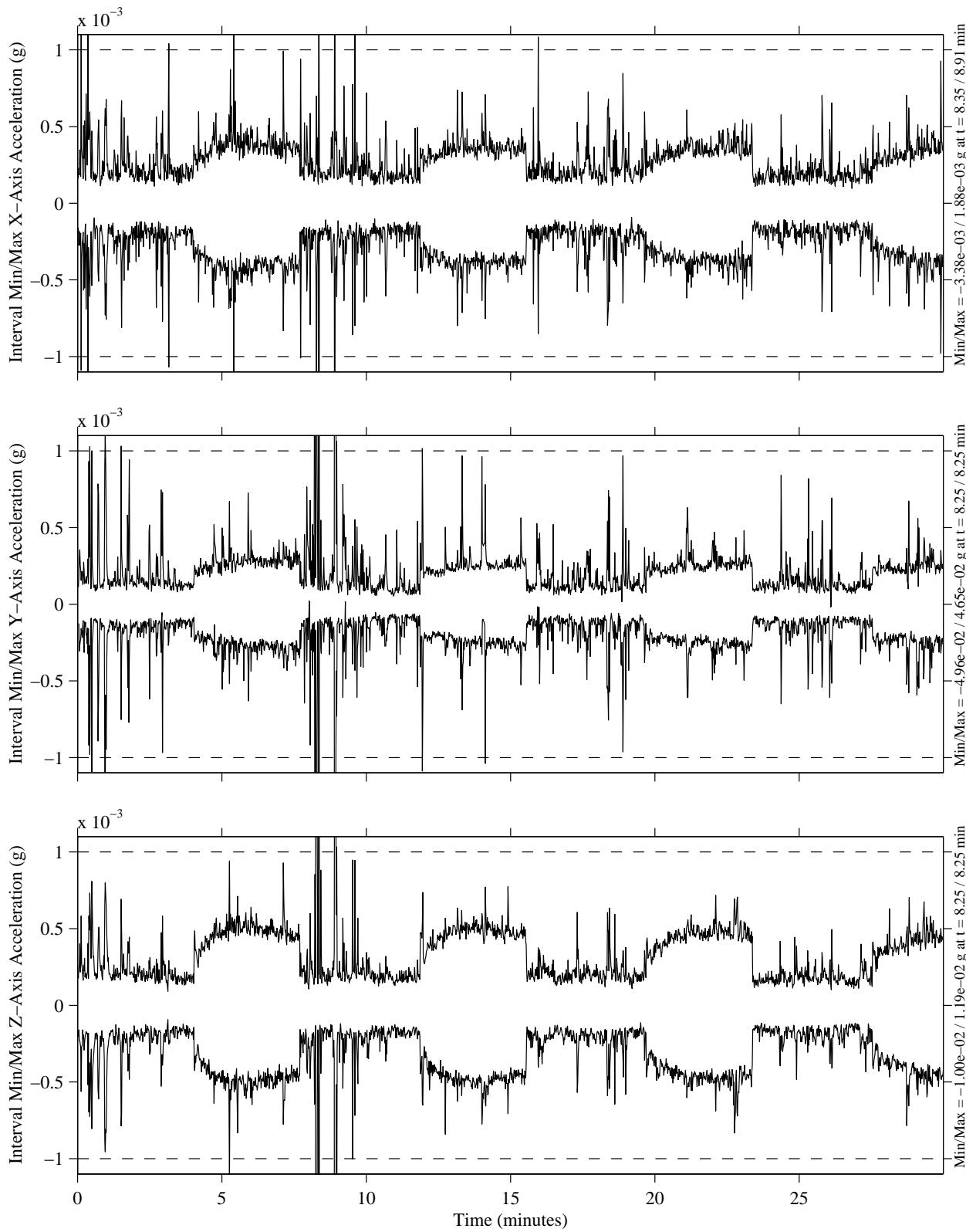
MATLAB: 20-Oct-1998, 10:06 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 005/11:54:31.993



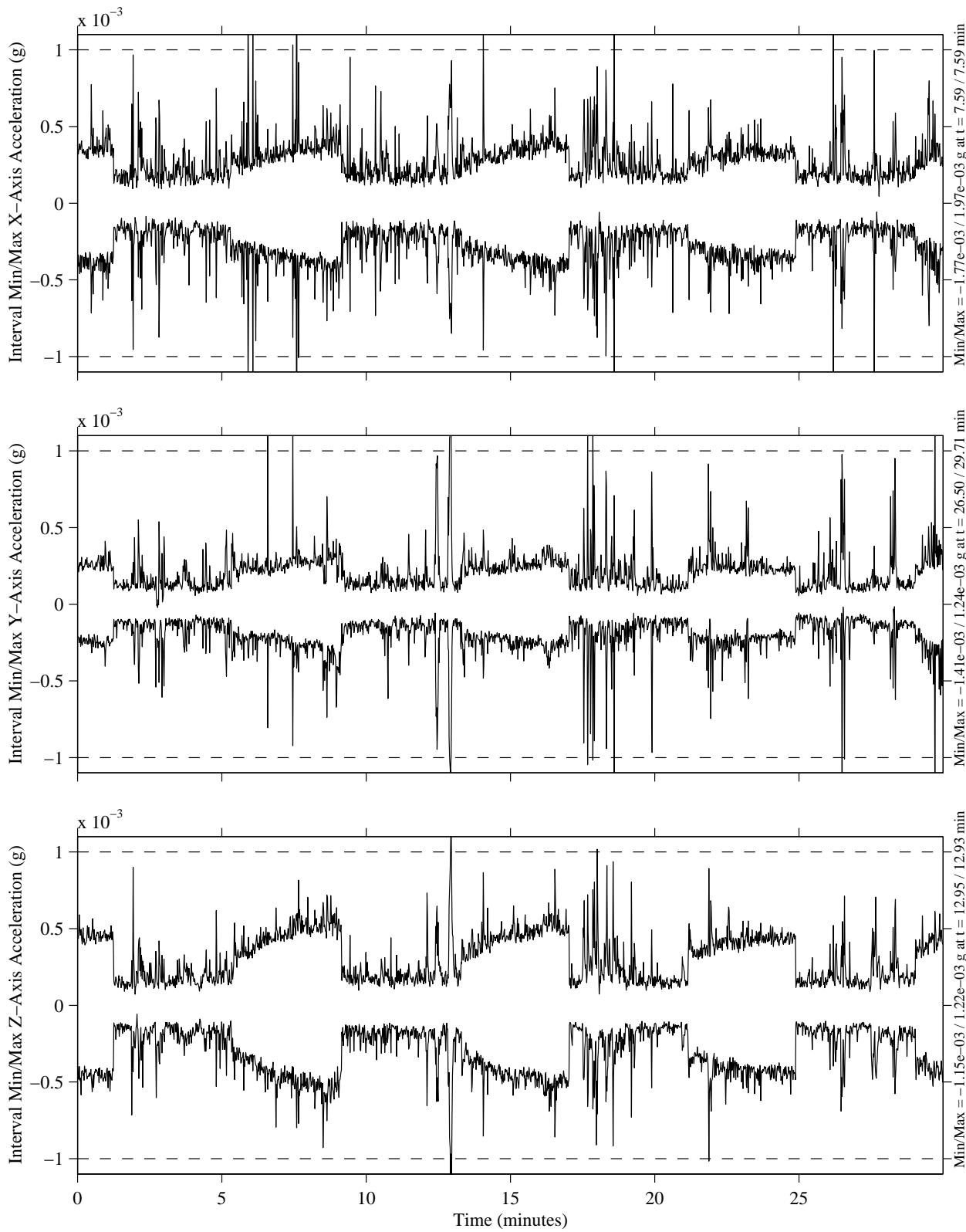
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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Interval=1.00 seconds

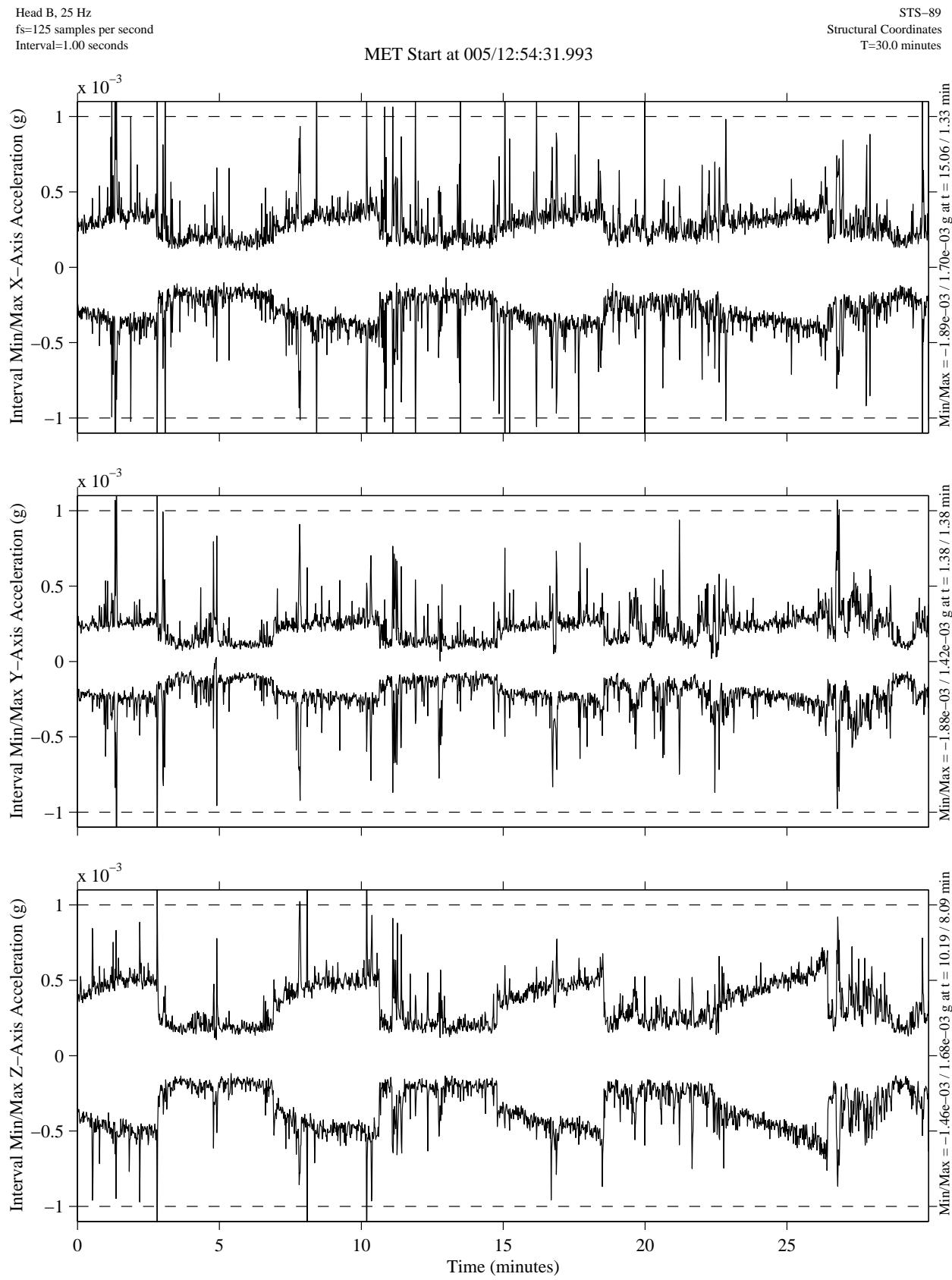
STS-89
Structural Coordinates
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MATLAB: 20-Oct-1998, 10:06 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



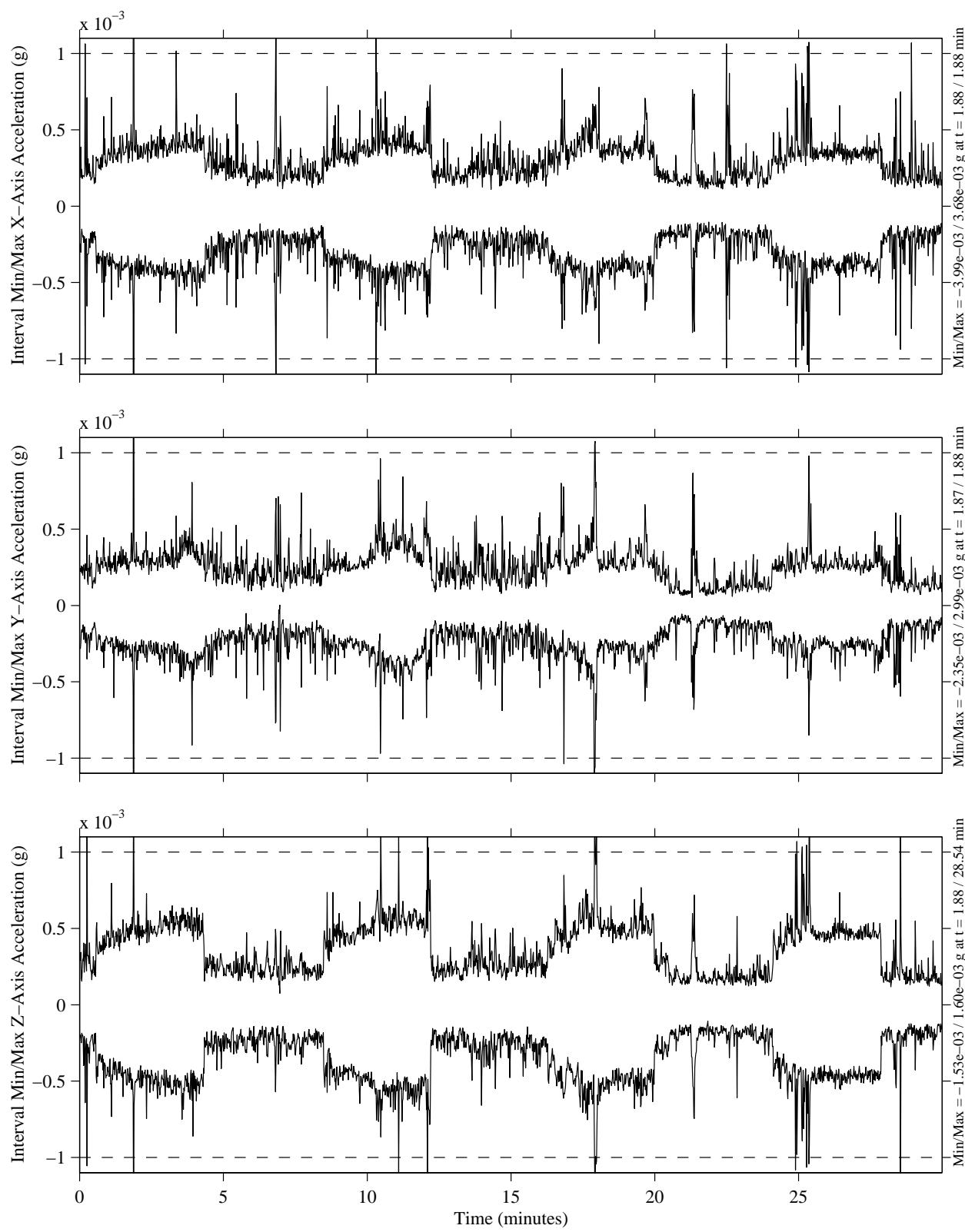
MATLAB: 20-Oct-1998, 10:06 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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 Interval=1.00 seconds

MET Start at 005/13:24:31.996

STS-89
 Structural Coordinates
 T=30.0 minutes



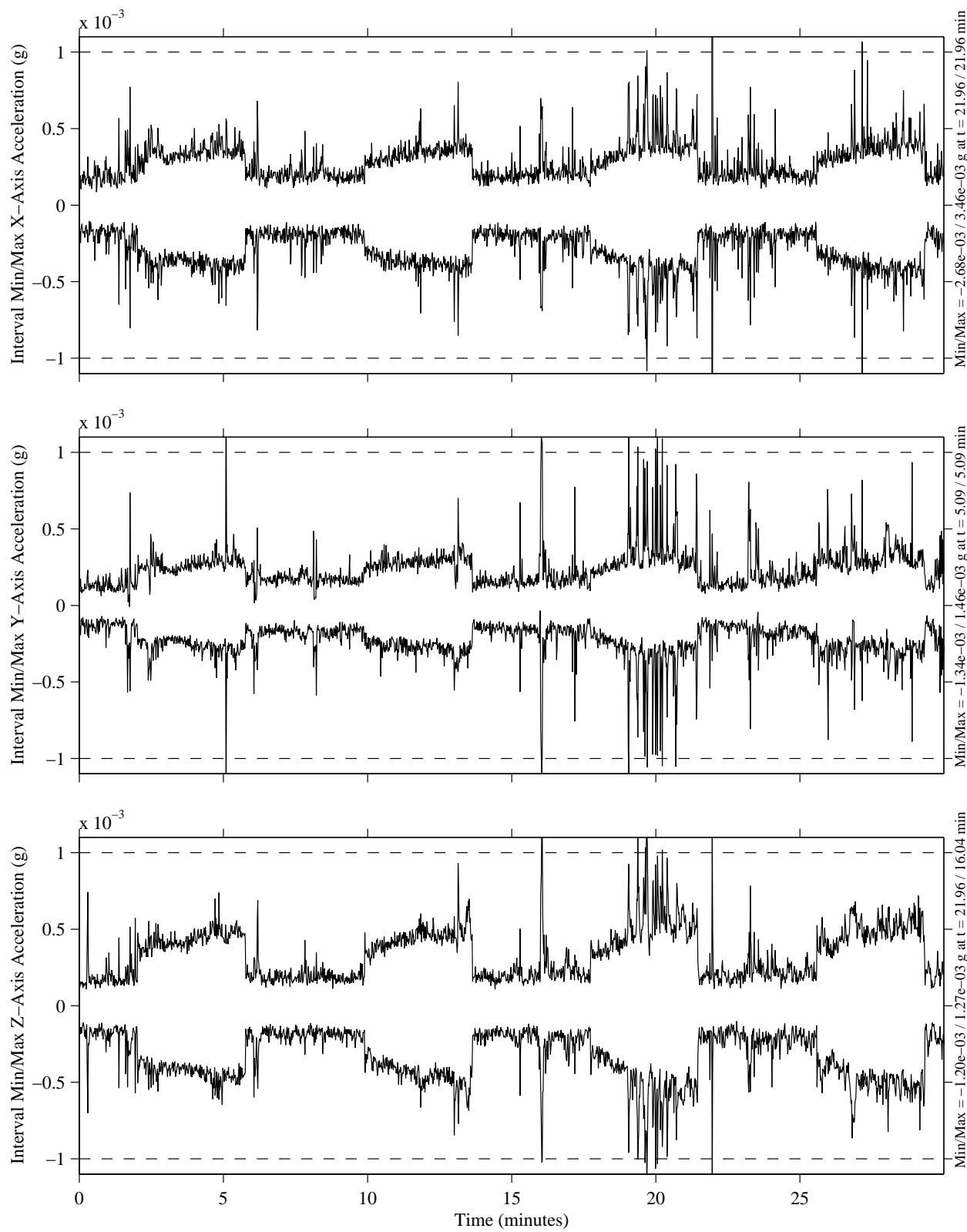
MATLAB: 20-Oct-1998, 10:07 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 005/13:54:31.994



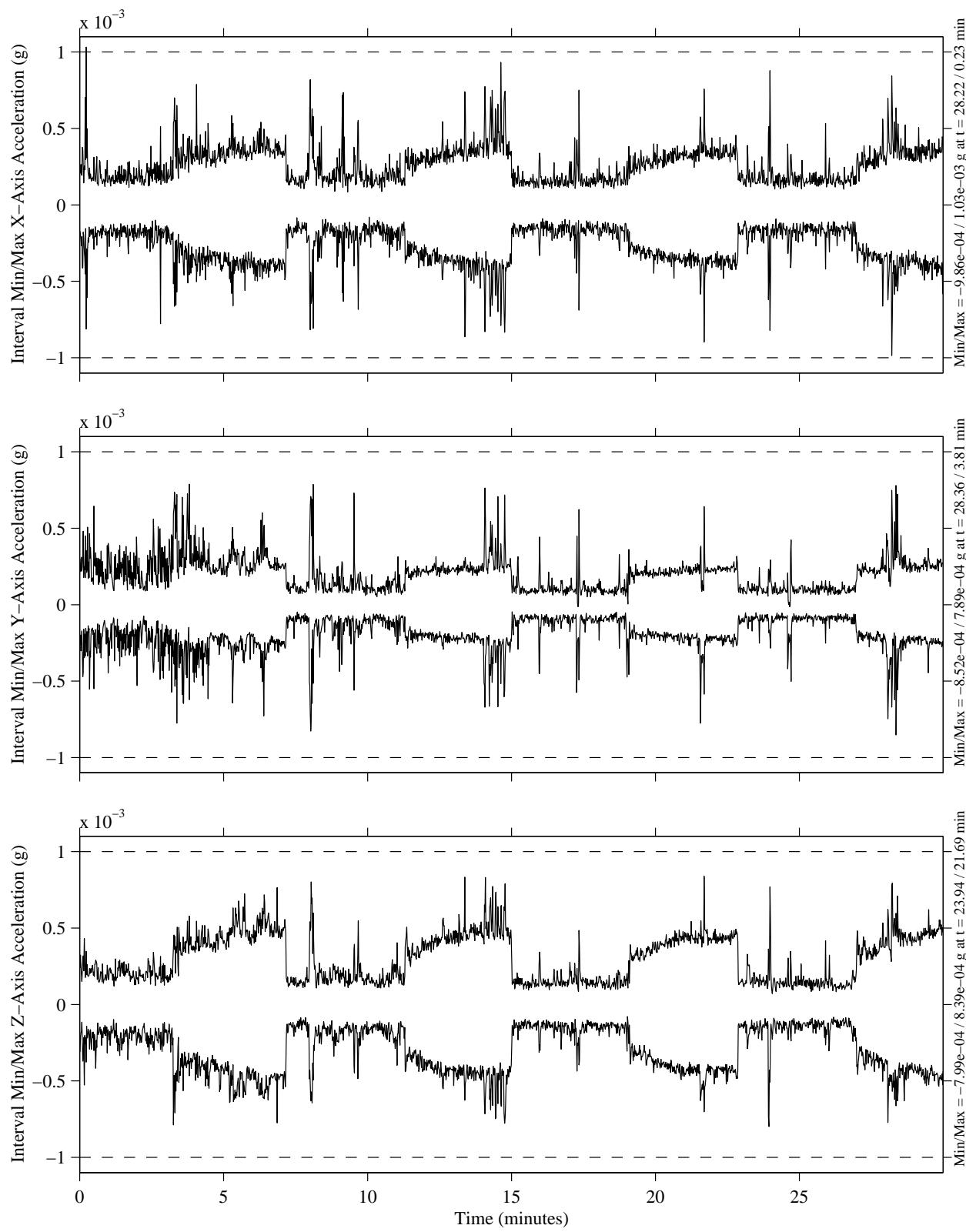
MATLAB: 20-Oct-1998, 10:07 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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 Interval=1.00 seconds

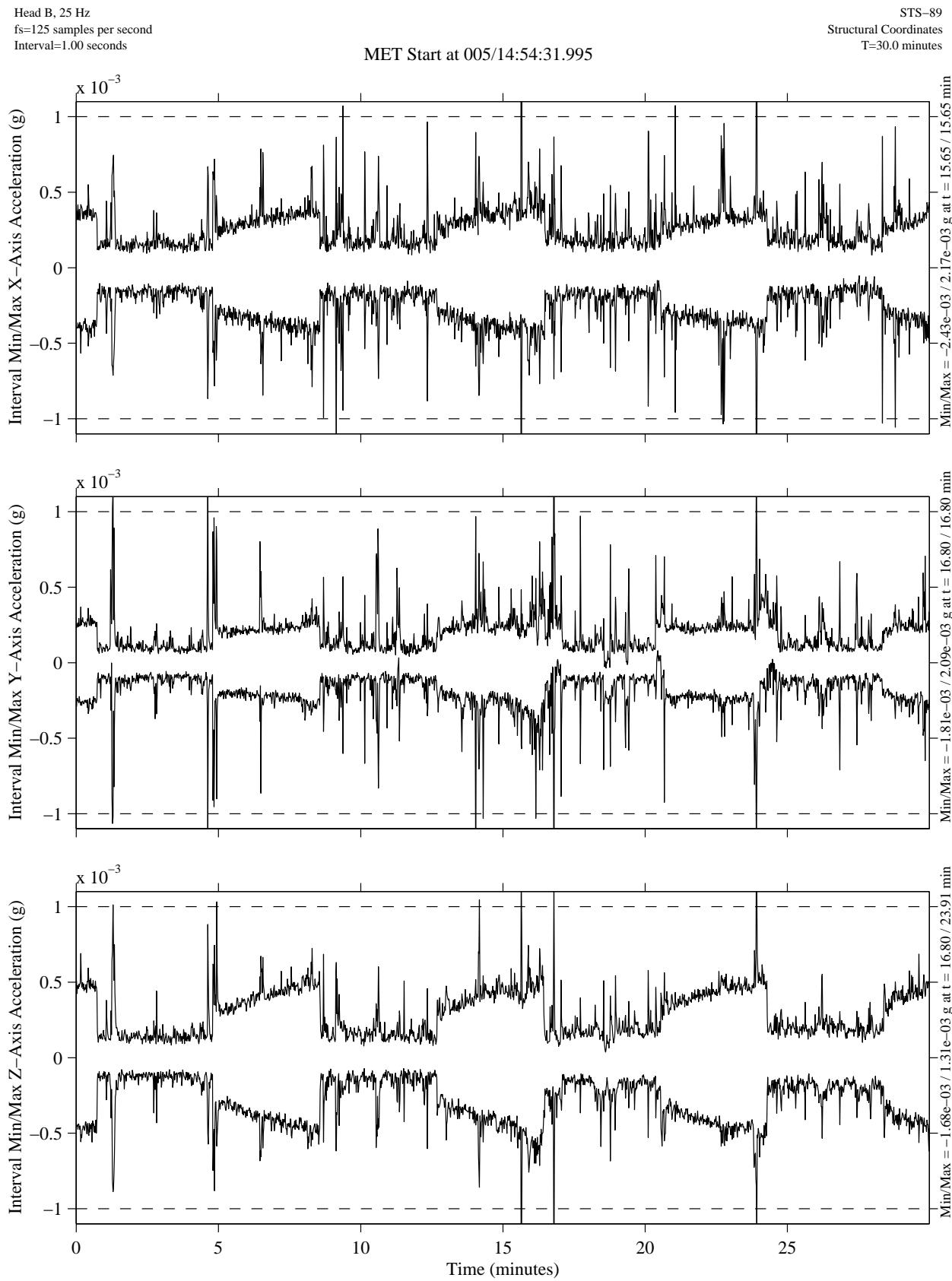
STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 005/14:24:31.998



MATLAB: 20-Oct-1998, 10:07 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



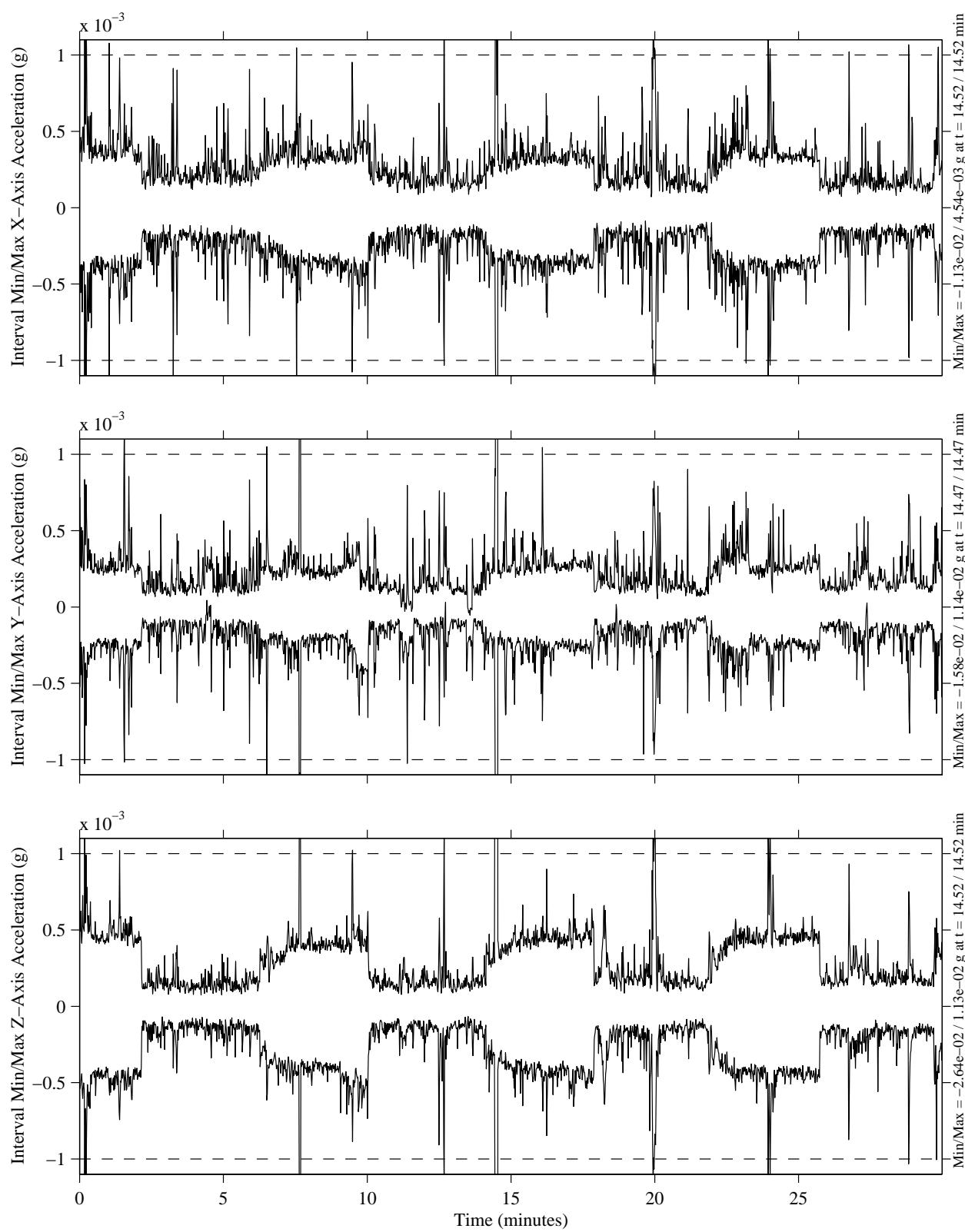
MATLAB: 20-Oct-1998, 10:07 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

MET Start at 005/15:24:31.999

STS-89
Structural Coordinates
T=30.0 minutes



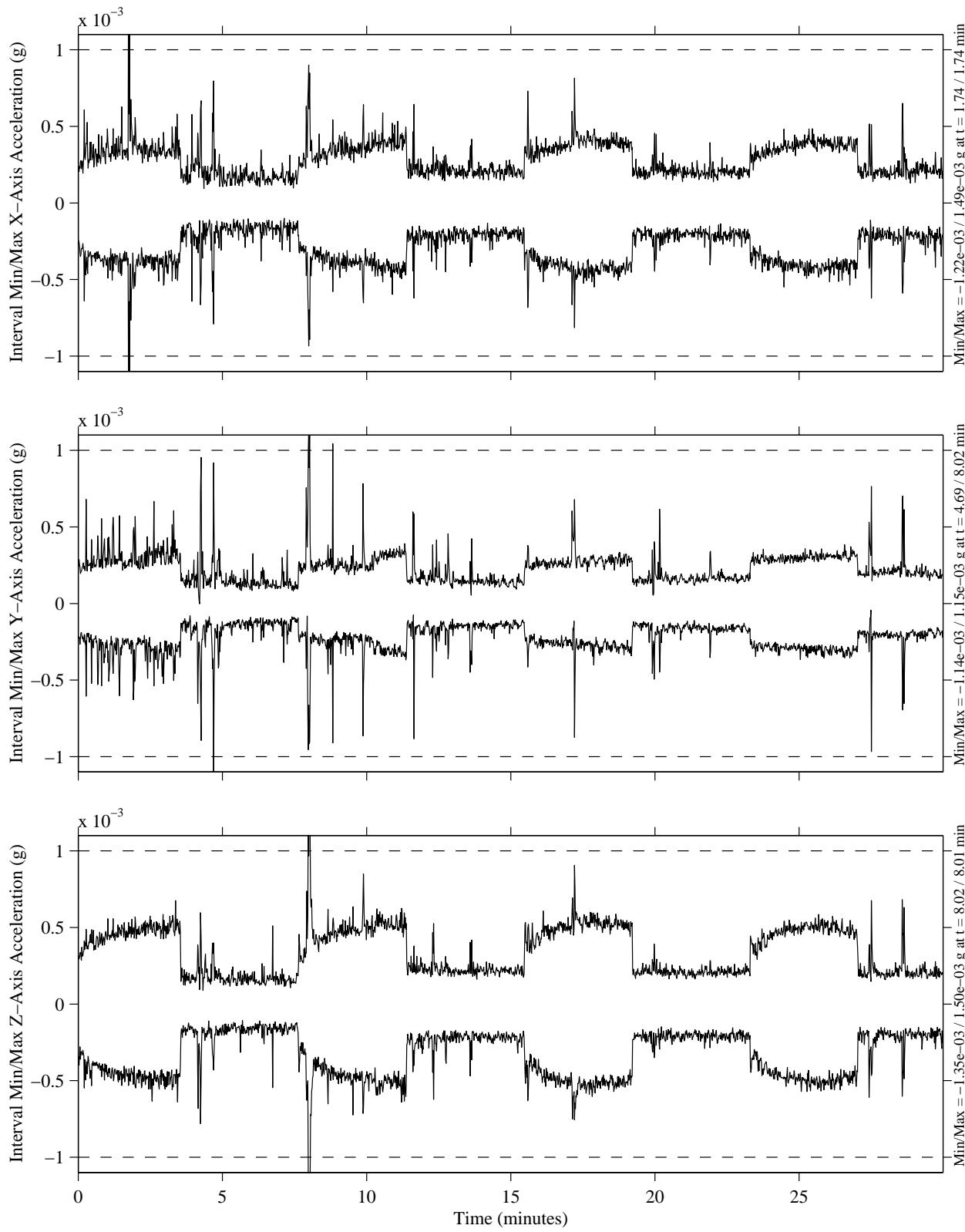
MATLAB: 20-Oct-1998, 10:08 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 005/15:54:31.996



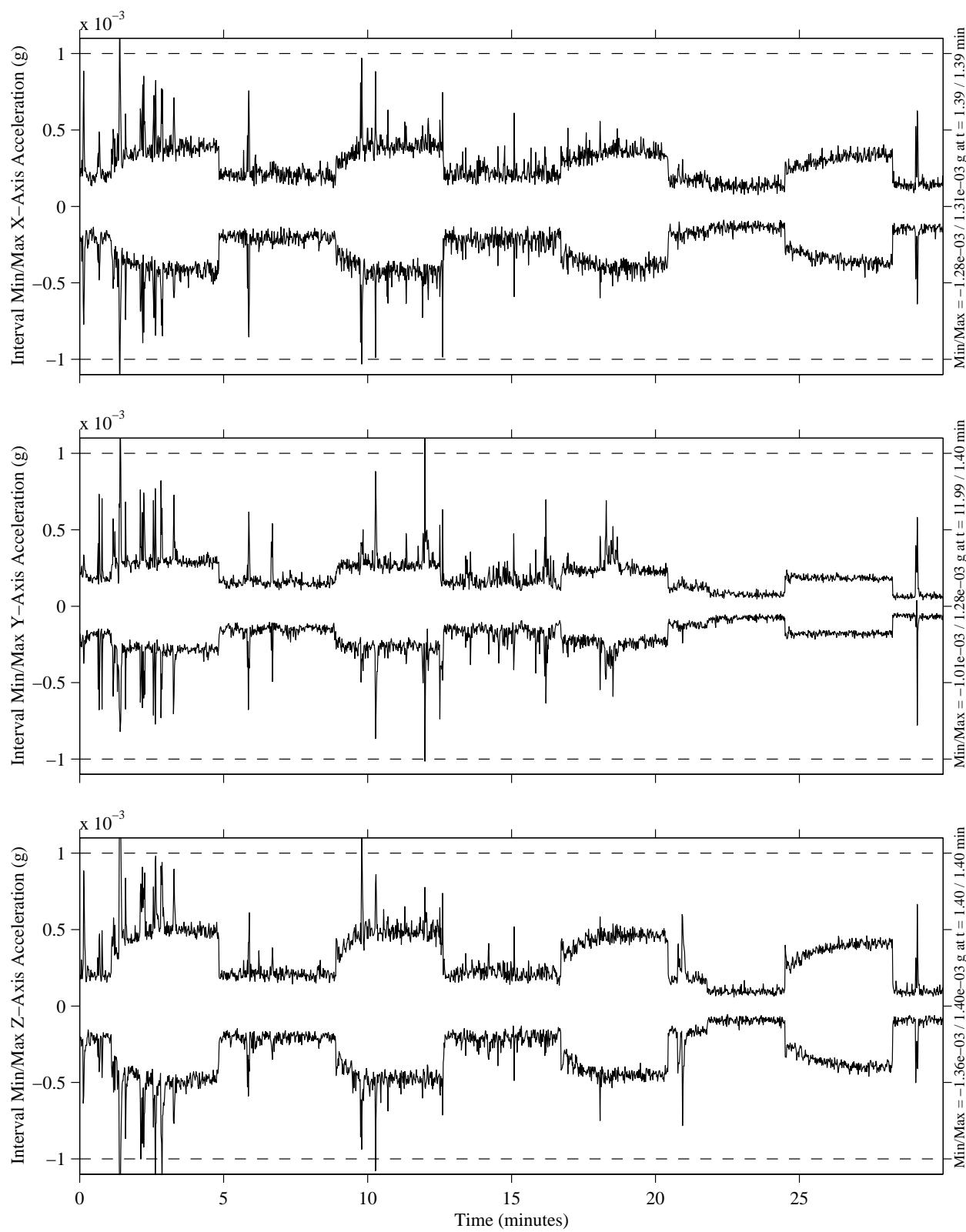
MATLAB: 20-Oct-1998, 10:08 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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 Interval=1.00 seconds

MET Start at 005/16:24:31.995

STS-89
 Structural Coordinates
 T=30.0 minutes



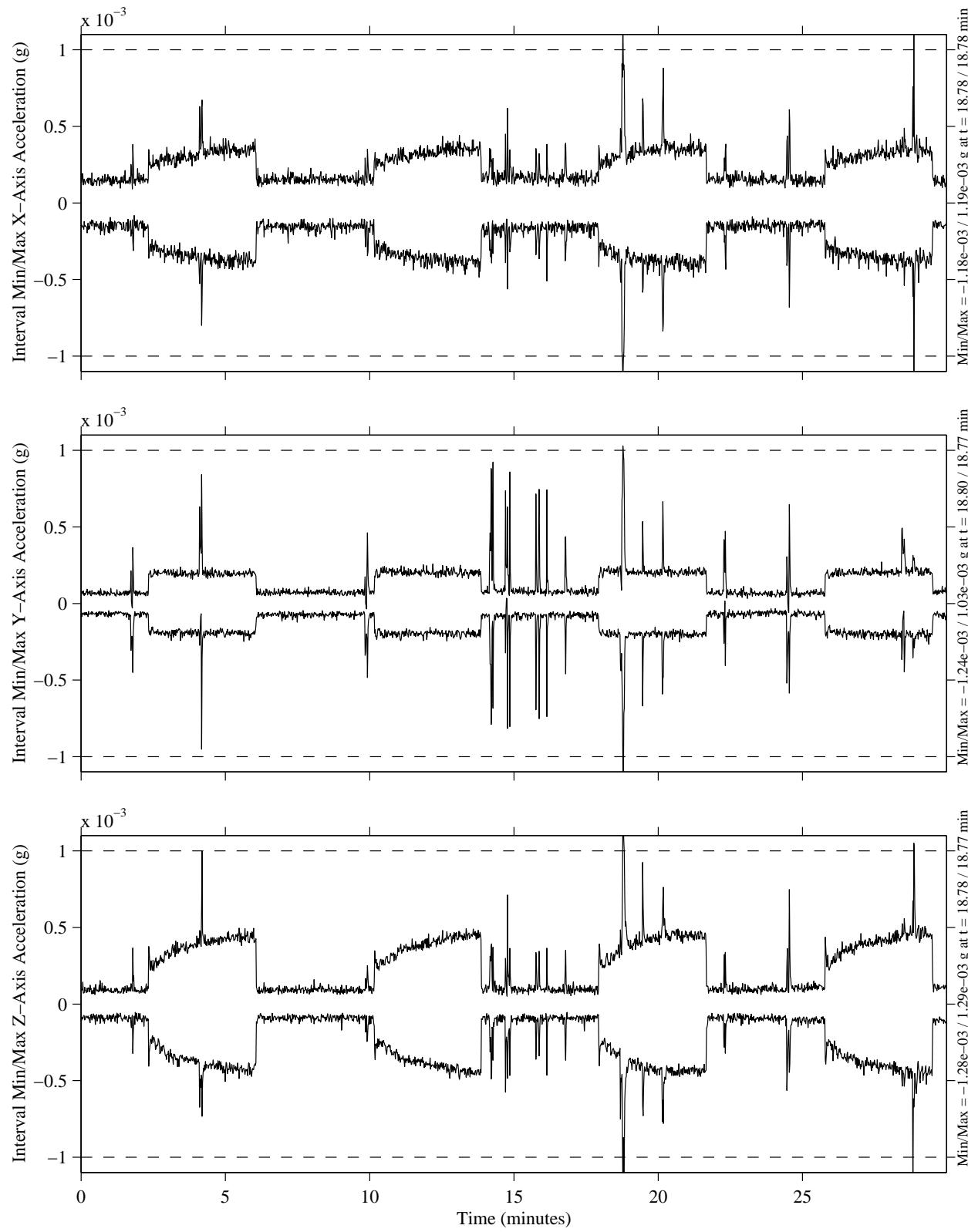
MATLAB: 20-Oct-1998, 10:08 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 005/16:54:31.998



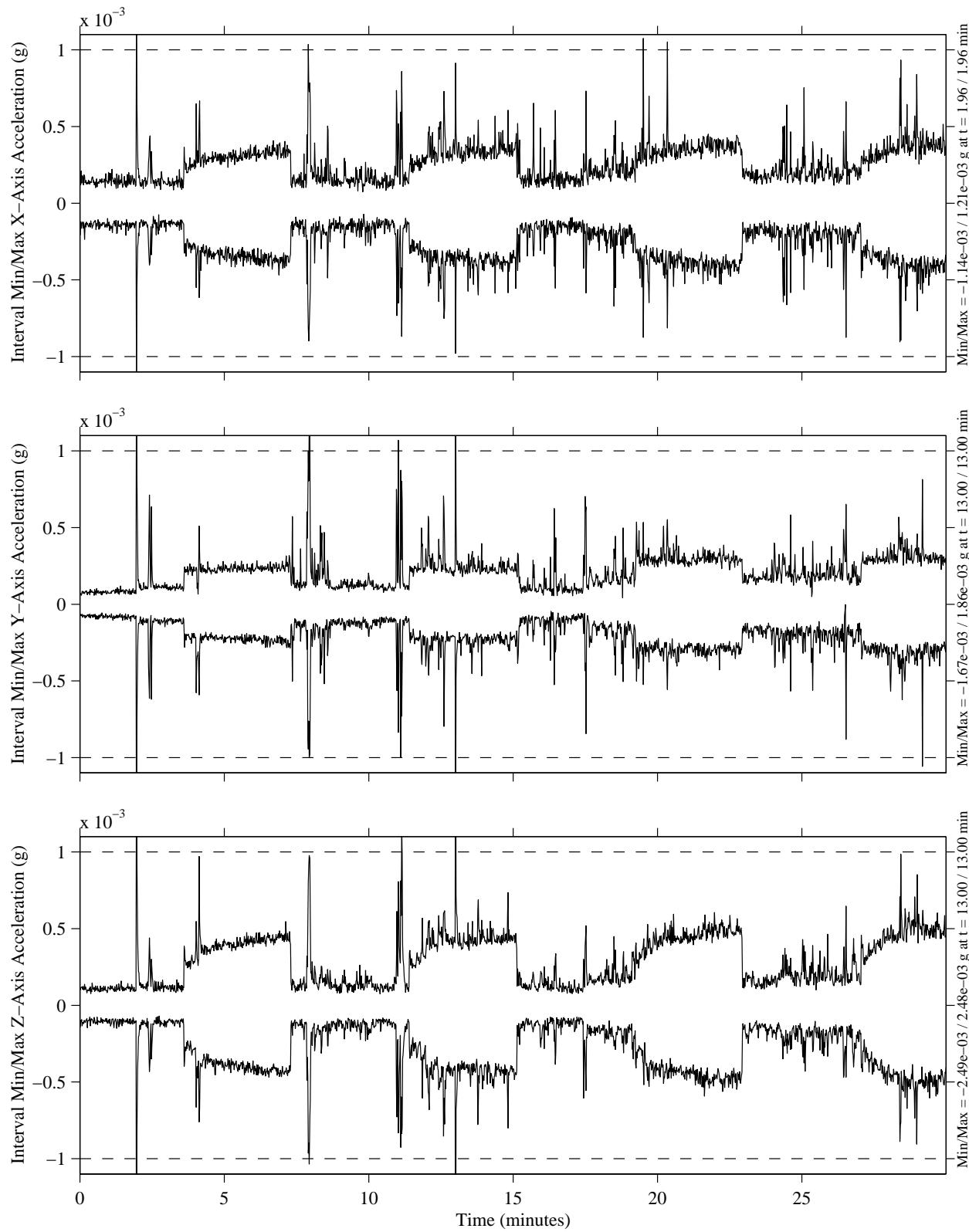
MATLAB: 20-Oct-1998, 10:08 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 005/17:24:31.993



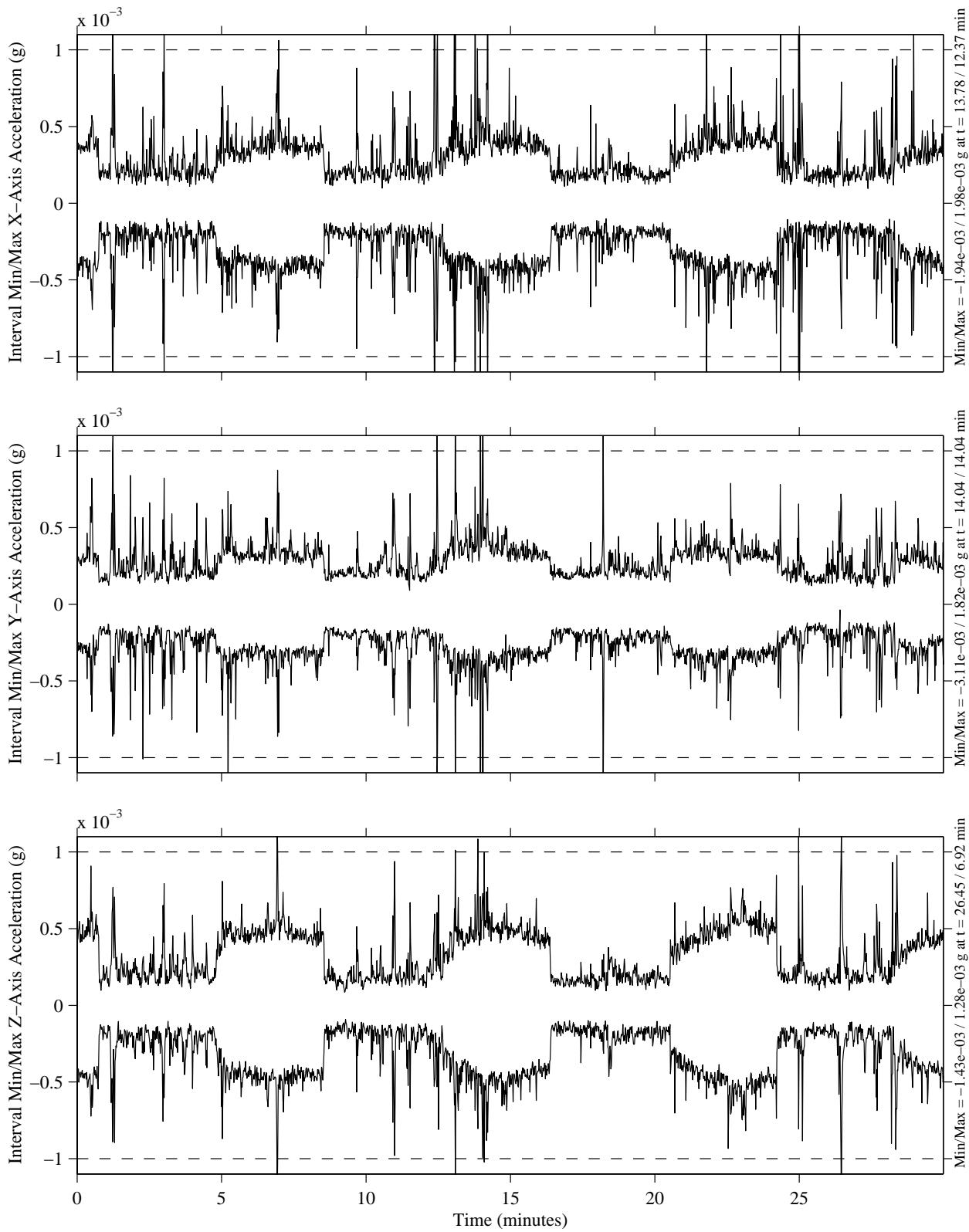
MATLAB: 20-Oct-1998, 10:09 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 $f_s = 125$ samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 $T = 30.0$ minutes

MET Start at 005/17:54:31.992



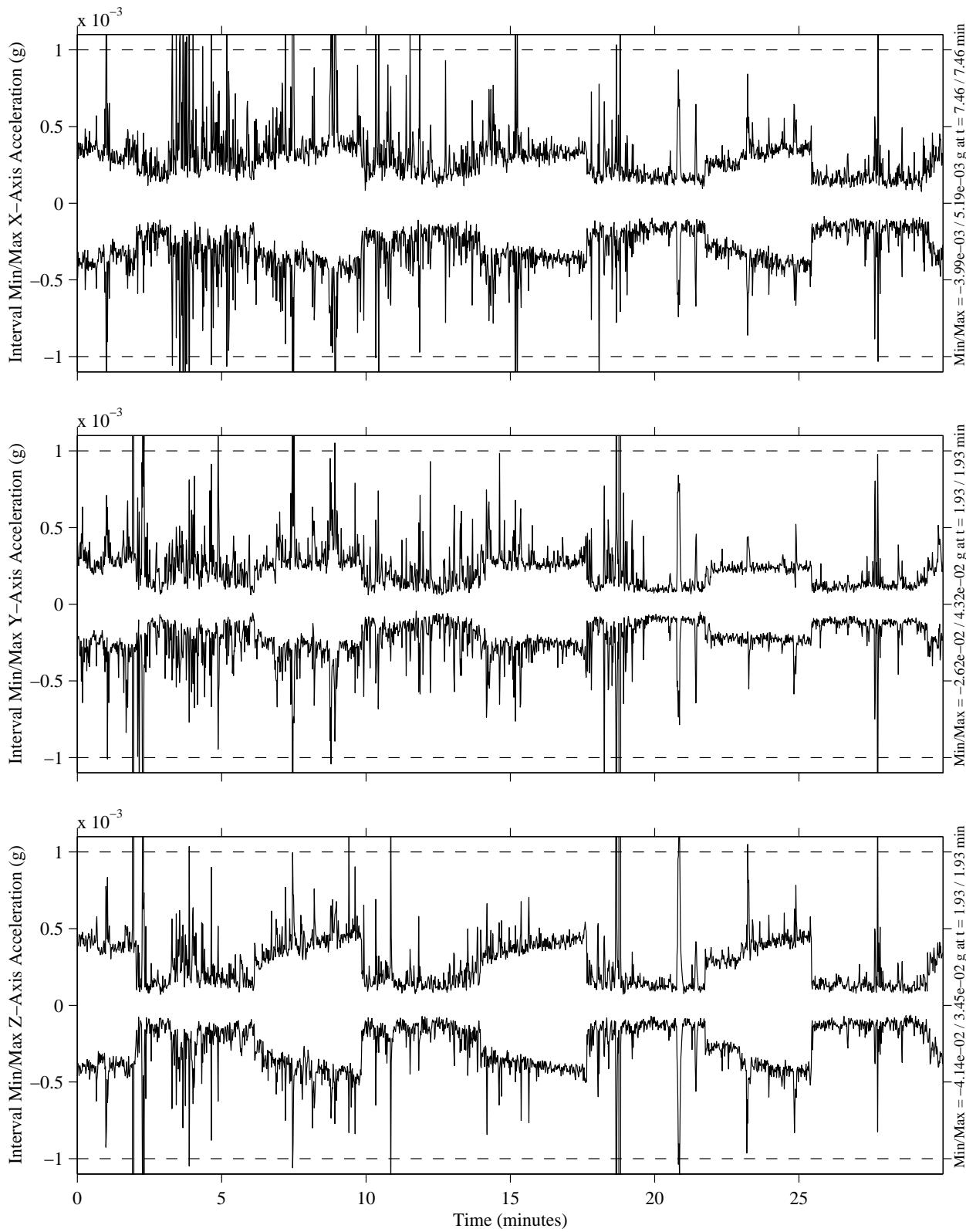
MATLAB: 20-Oct-1998, 10:09 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 005/18:24:31.995



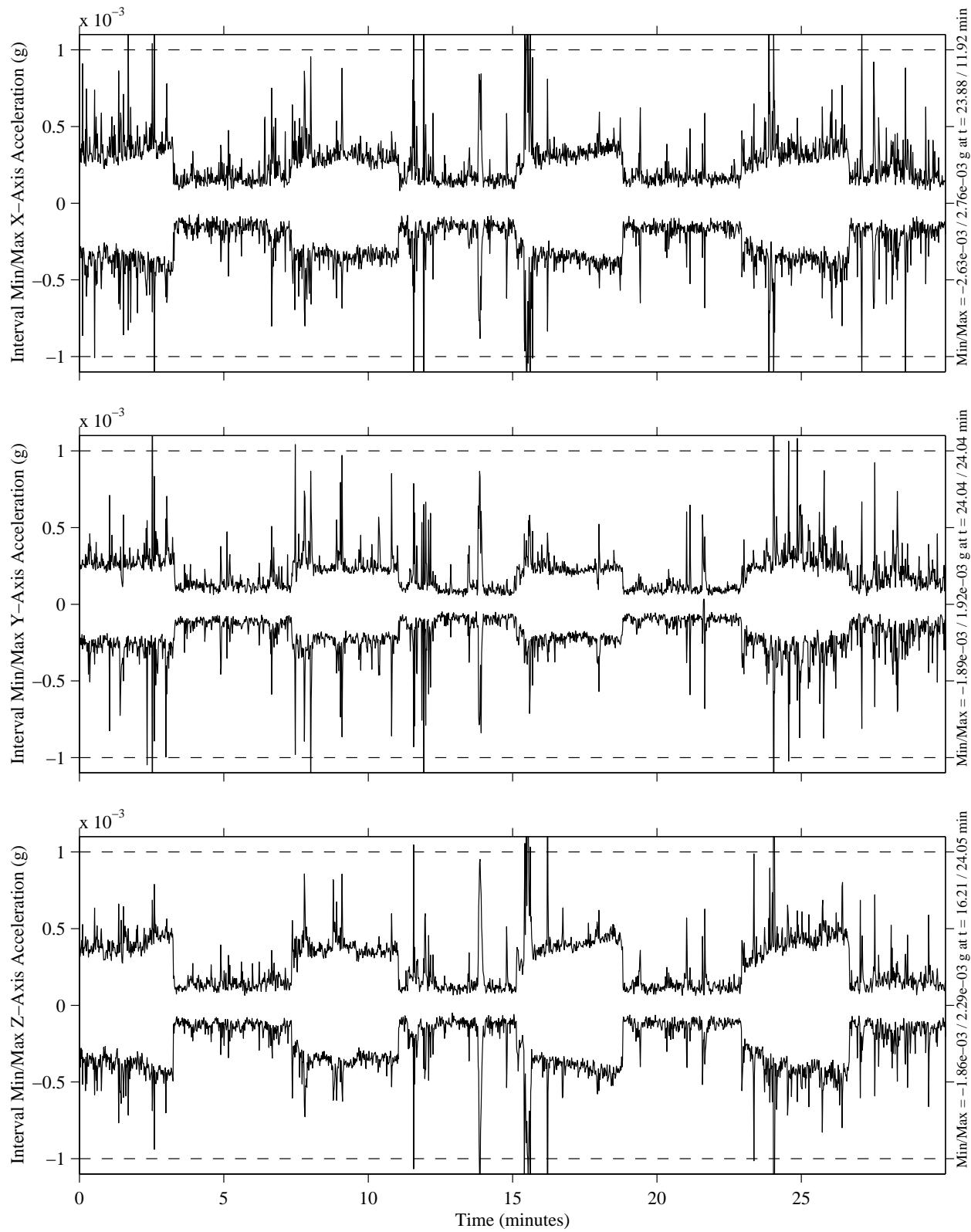
MATLAB: 20-Oct-1998, 10:09 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
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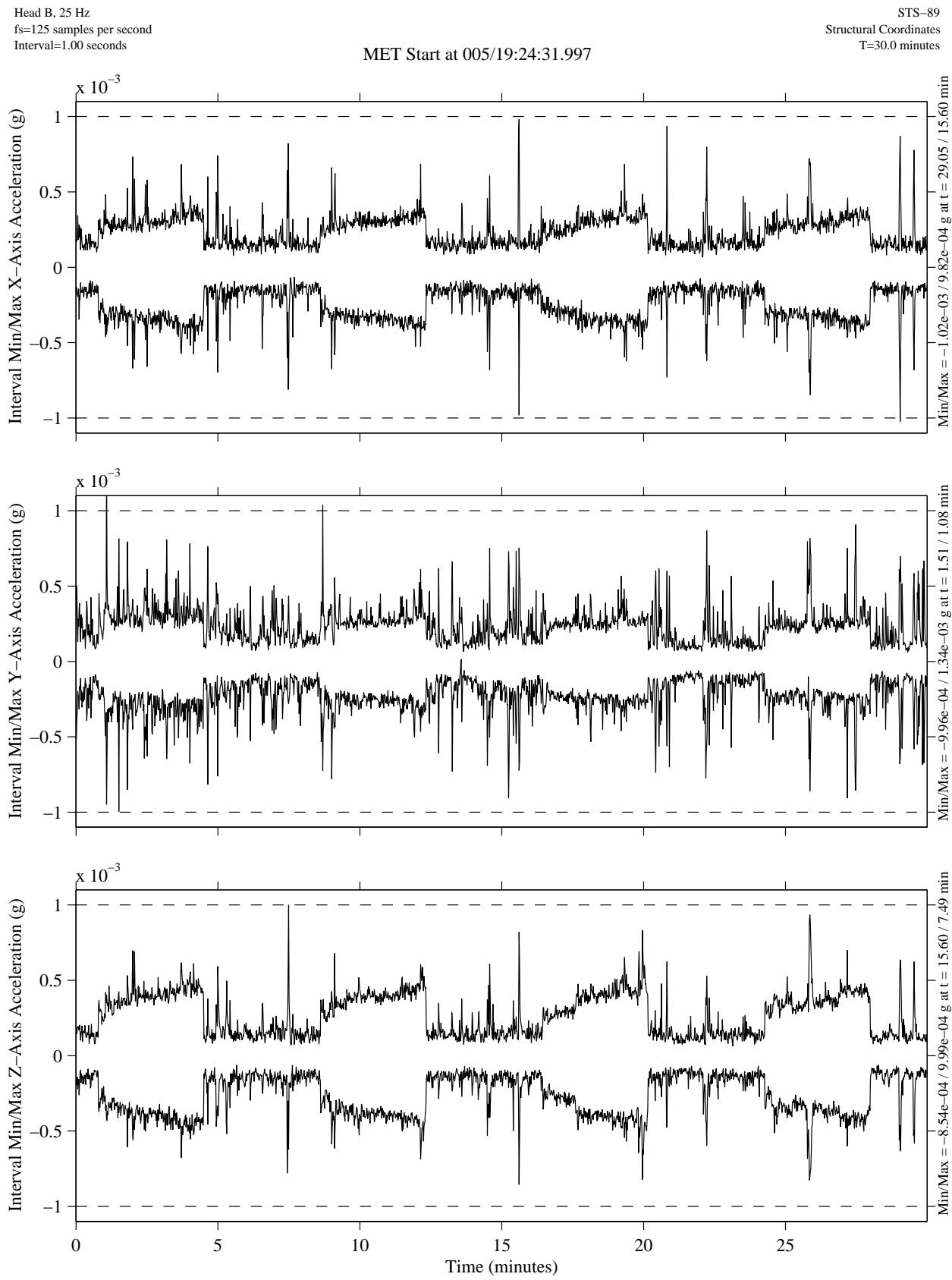
STS-89
 Structural Coordinates
 T=30.0 minutes

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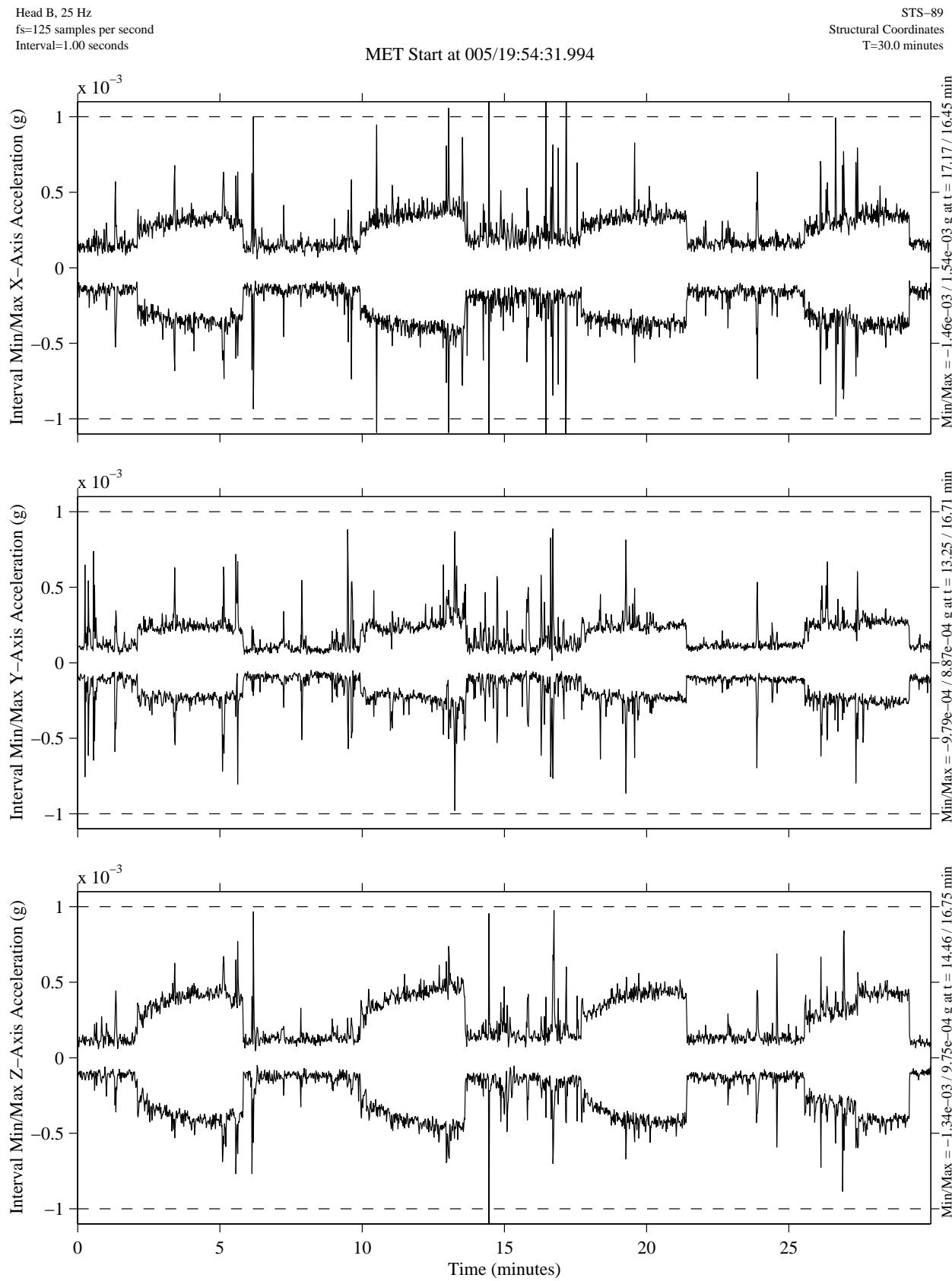
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SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



MATLAB: 20-Oct-1998, 10:10 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



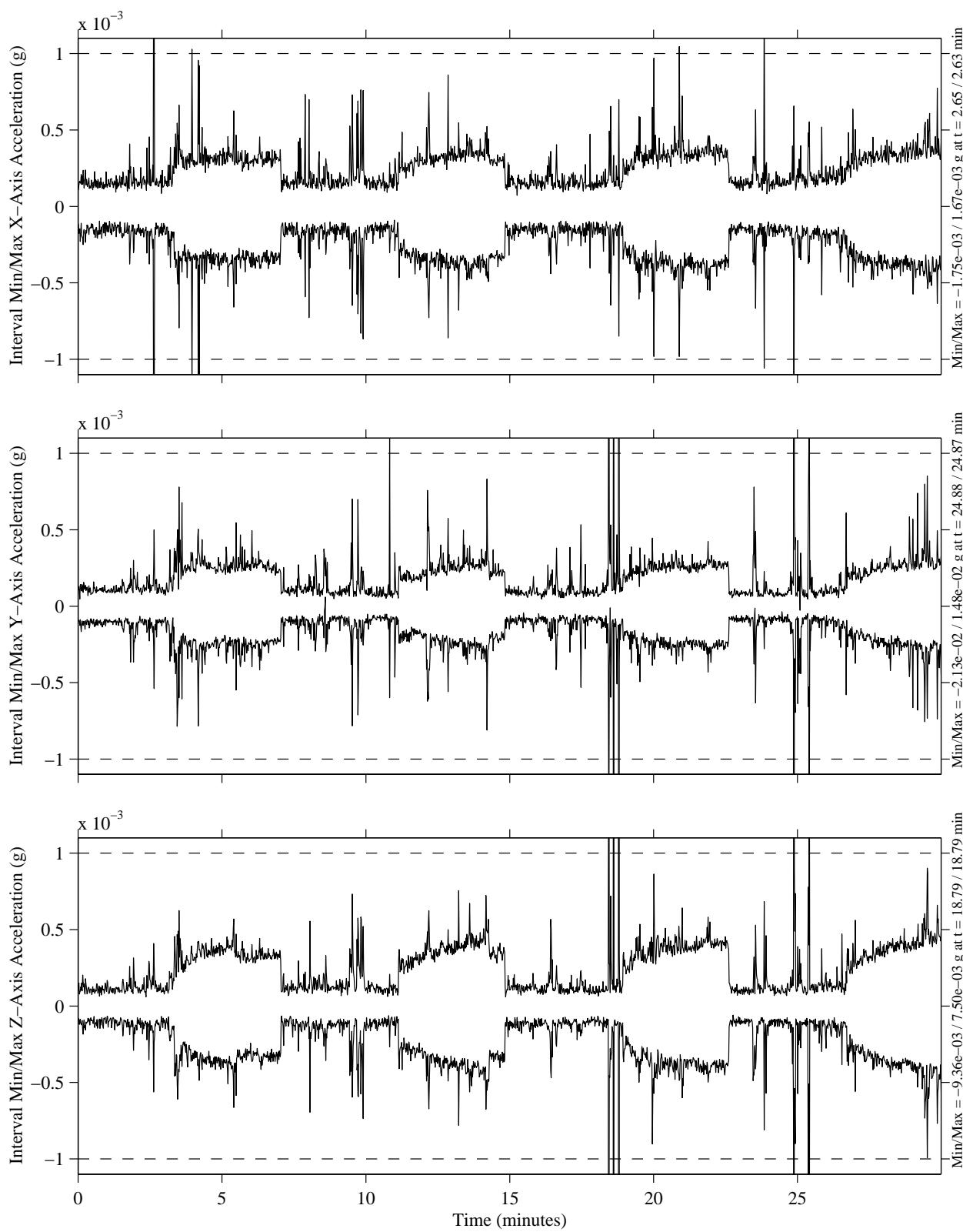
MATLAB: 20-Oct-1998, 10:10 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

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STS-89
Structural Coordinates
T=30.0 minutes



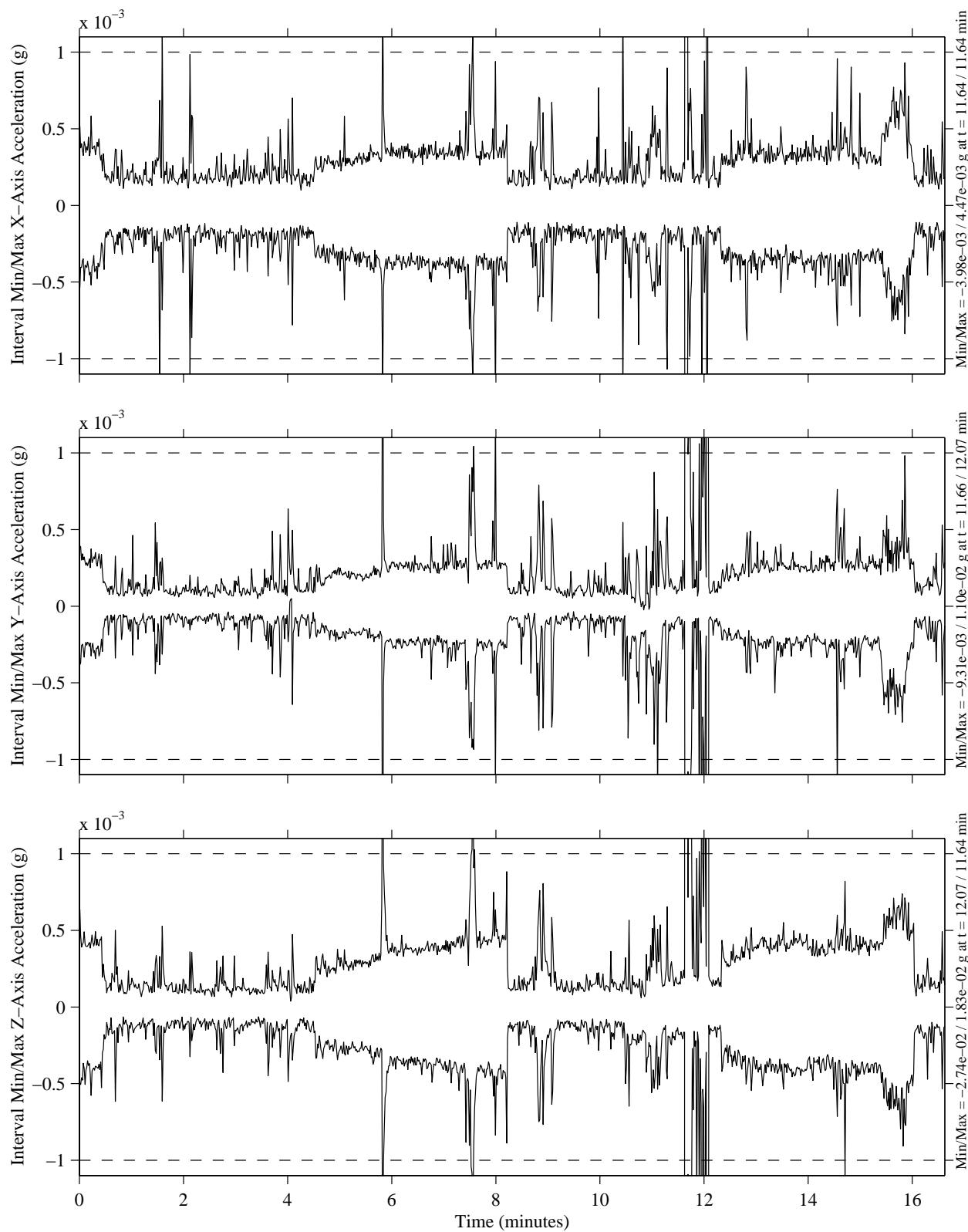
MATLAB: 20-Oct-1998, 10:10 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=16.6 minutes

MET Start at 005/20:54:31.996



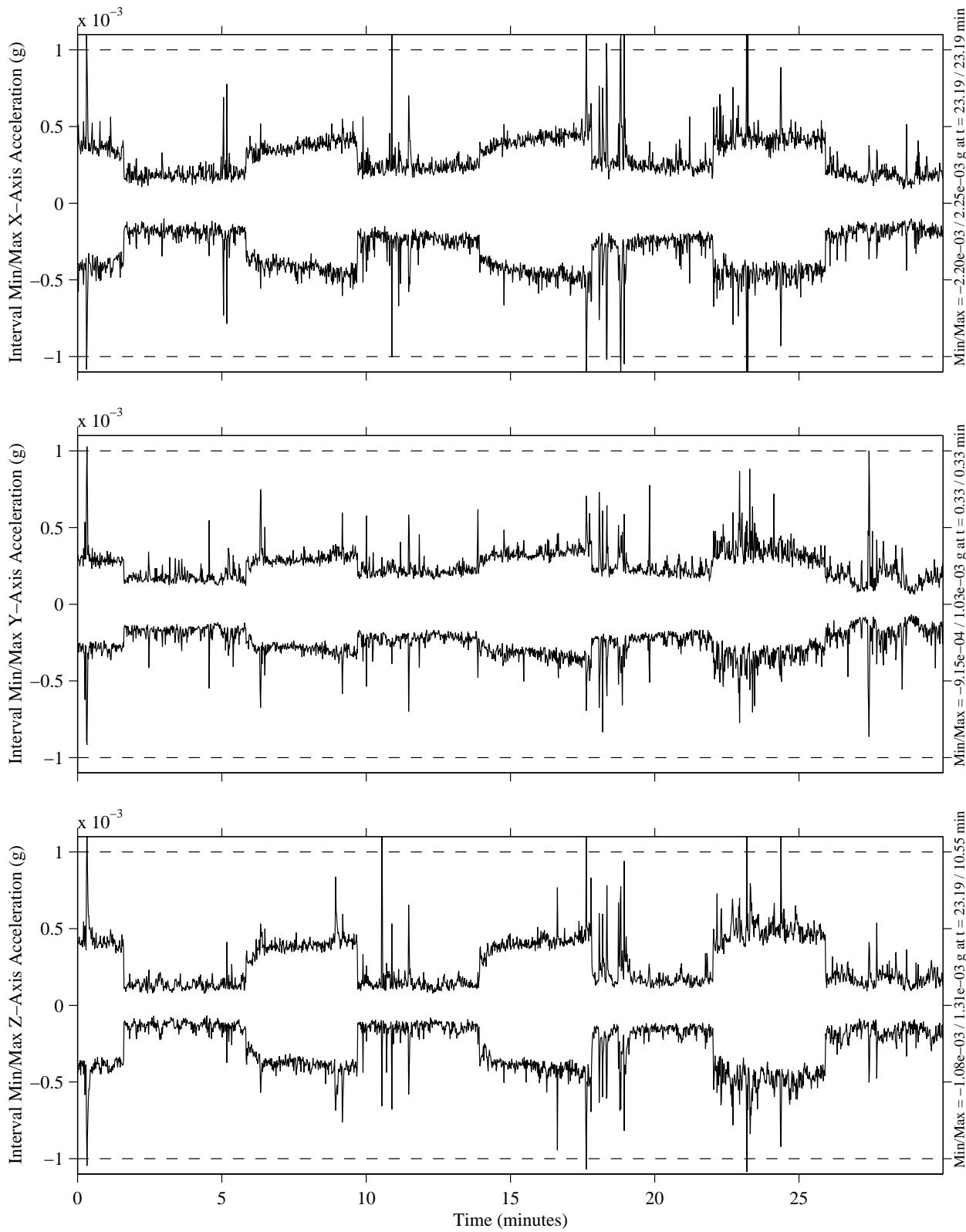
MATLAB: 20-Oct-1998, 10:10 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 $f_s=125$ samples per second
 Interval=1.00 seconds

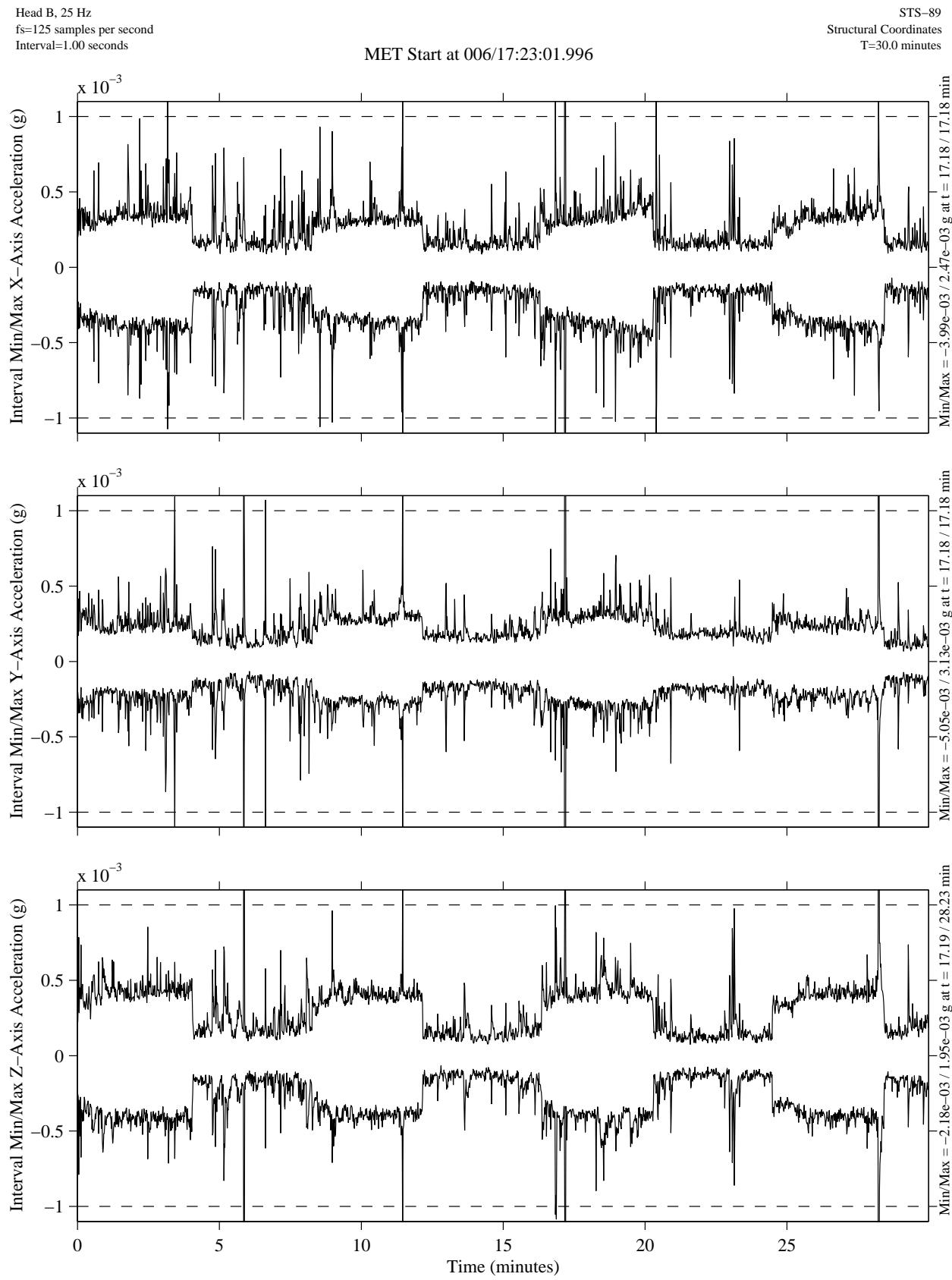
STS-89
 Structural Coordinates
 $T=30.0$ minutes

MET Start at 006/16:53:01.998



MATLAB: 20-Oct-1998, 11:44 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



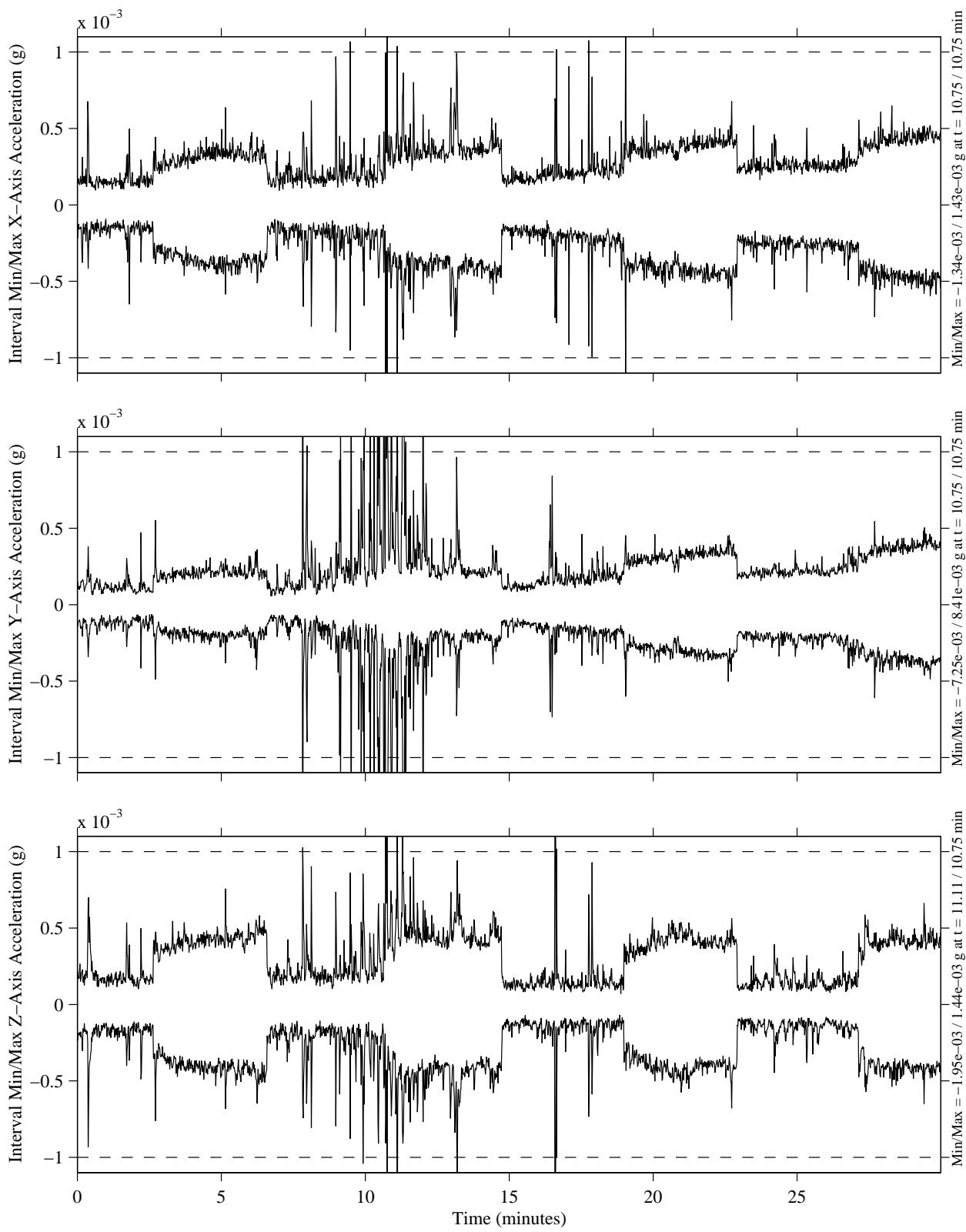
MATLAB: 20-Oct-1998, 11:45 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 006/17:53:02.000



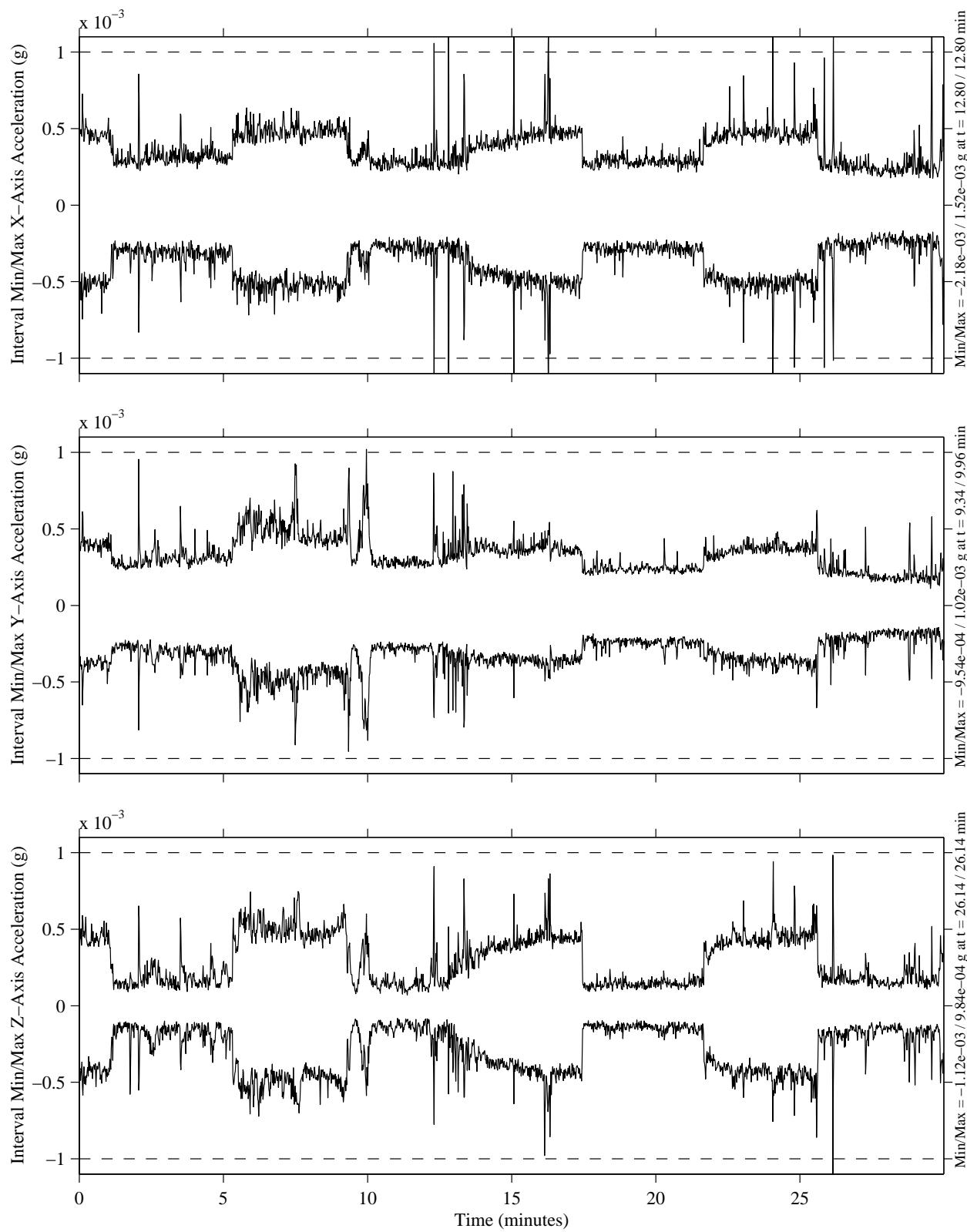
MATLAB: 20-Oct-1998, 11:45 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 006/18:23:01.997



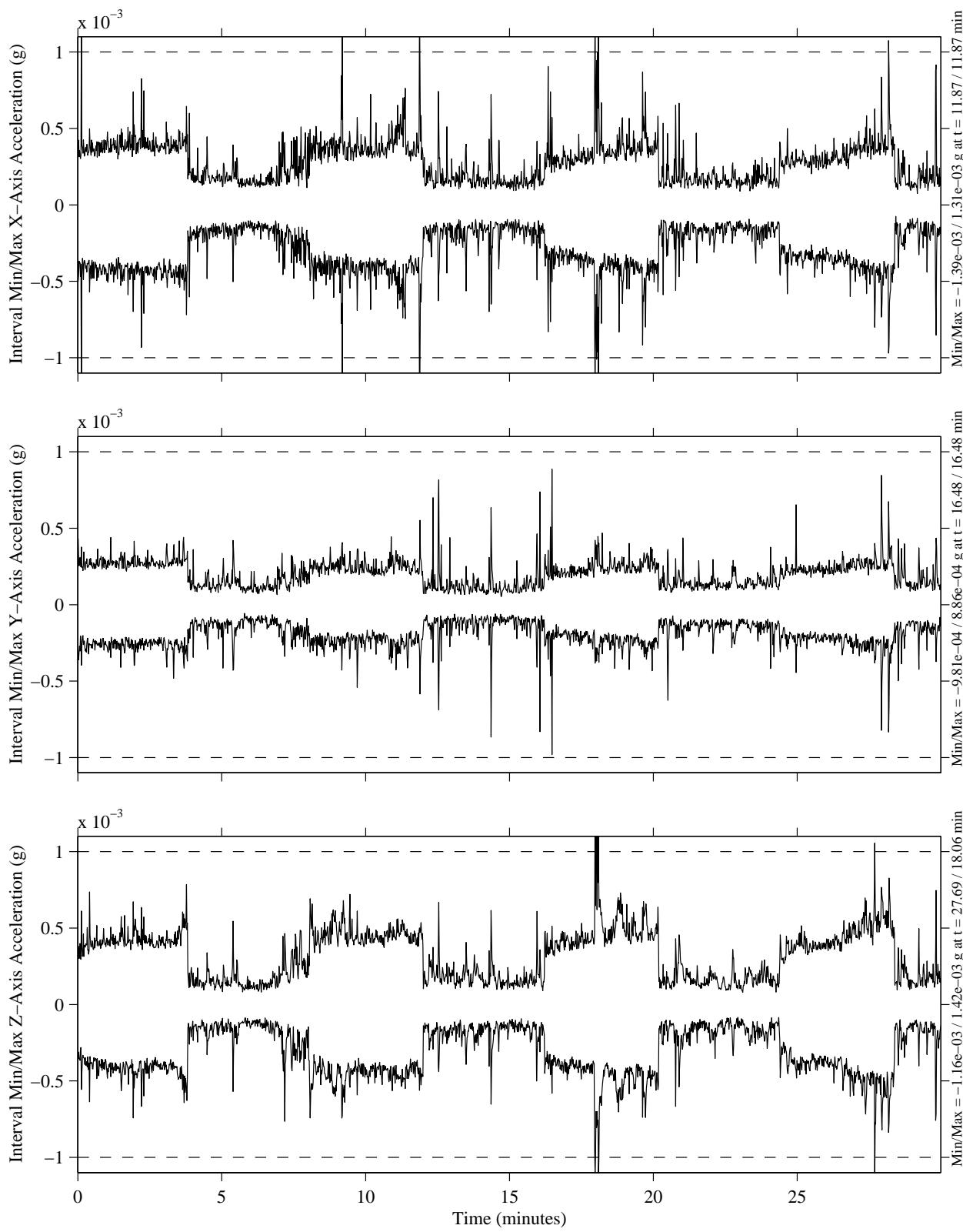
MATLAB: 20-Oct-1998, 11:45 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 006/18:53:01.993



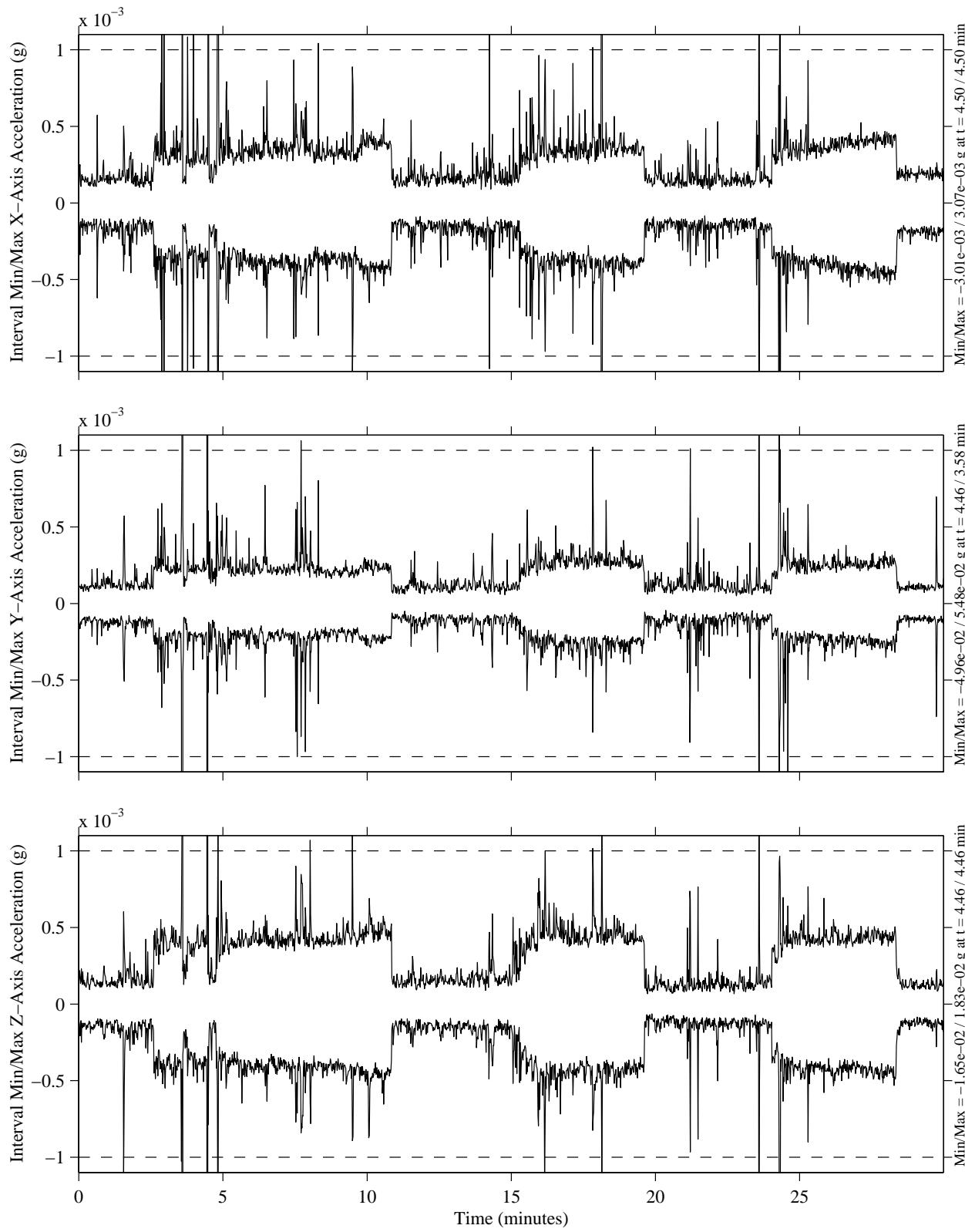
MATLAB: 20-Oct-1998, 11:45 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 006/19:23:01.999



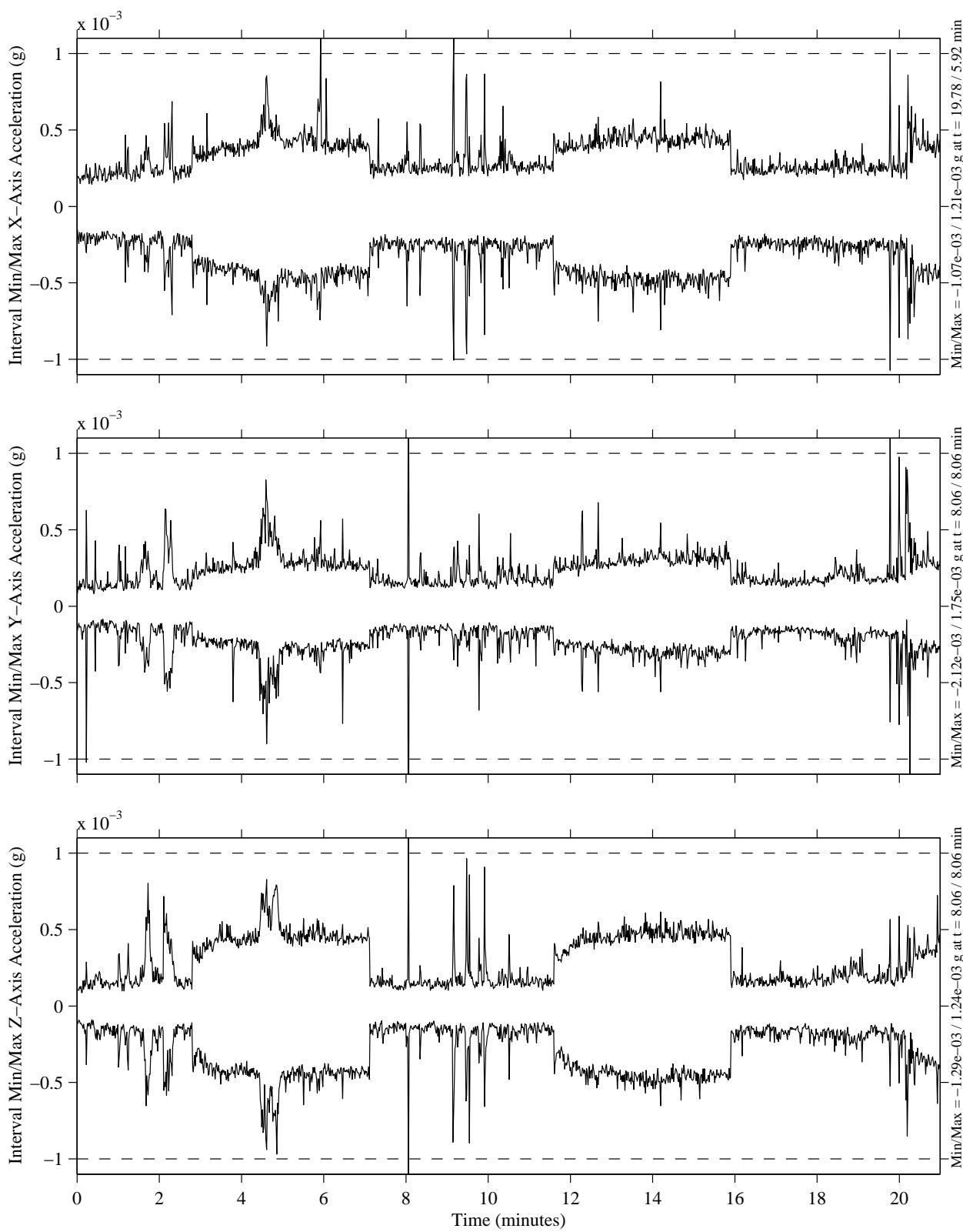
MATLAB: 20-Oct-1998, 11:46 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

MET Start at 006/19:53:01.995

STS-89
 Structural Coordinates
 T=21.0 minutes



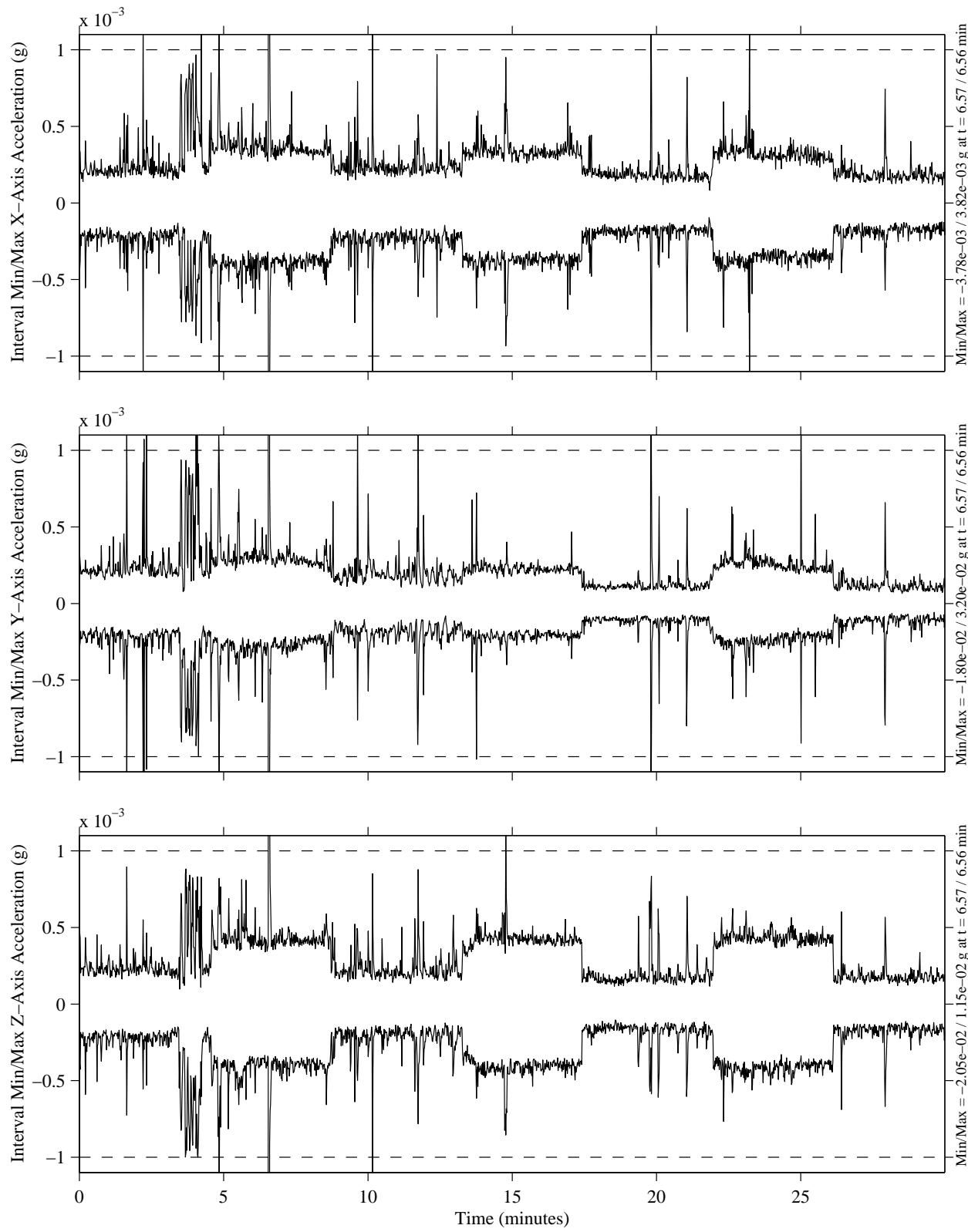
MATLAB: 20-Oct-1998, 11:46 am

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 007/12:47:01.997



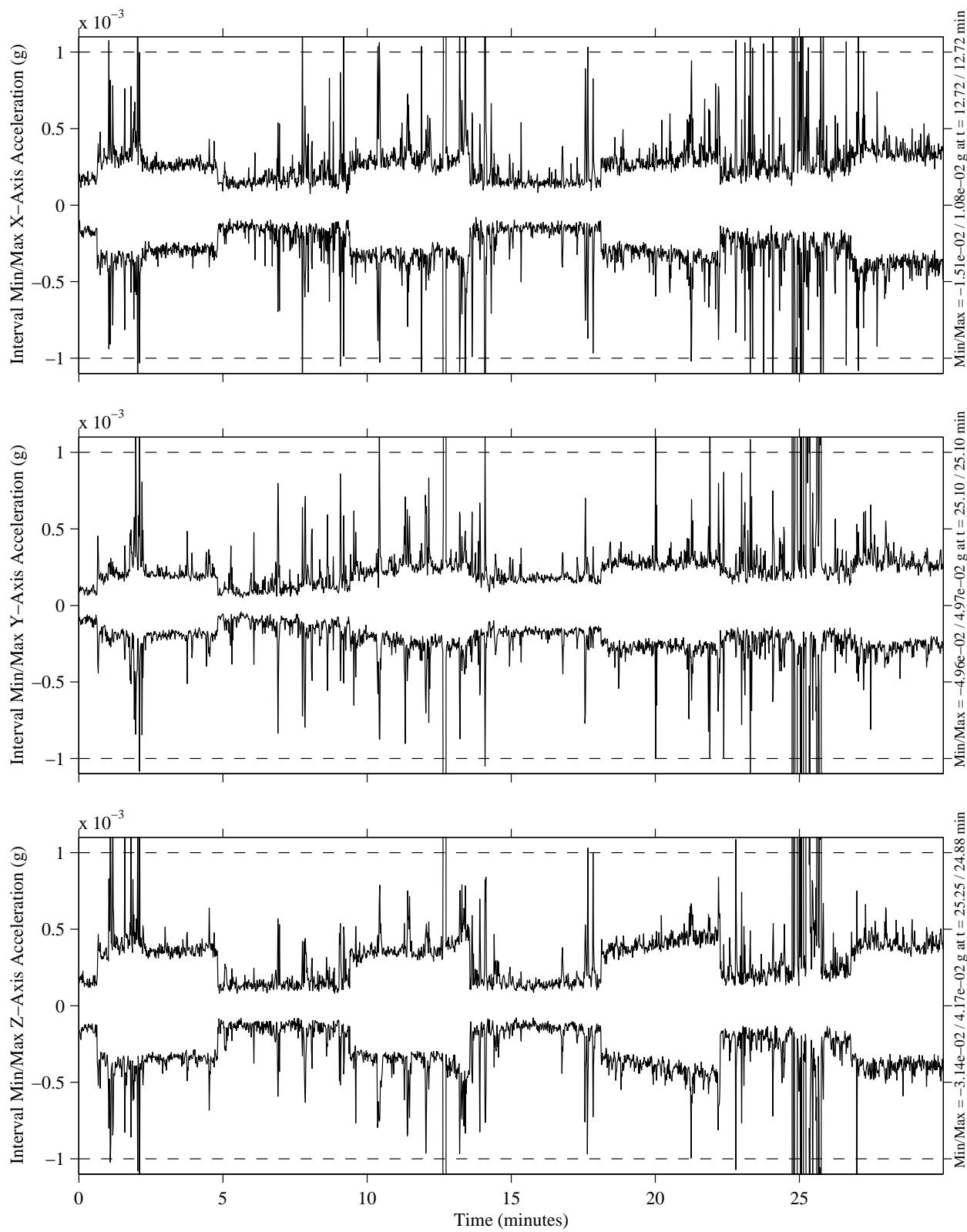
MATLAB: 20-Oct-1998, 12:01 pm

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

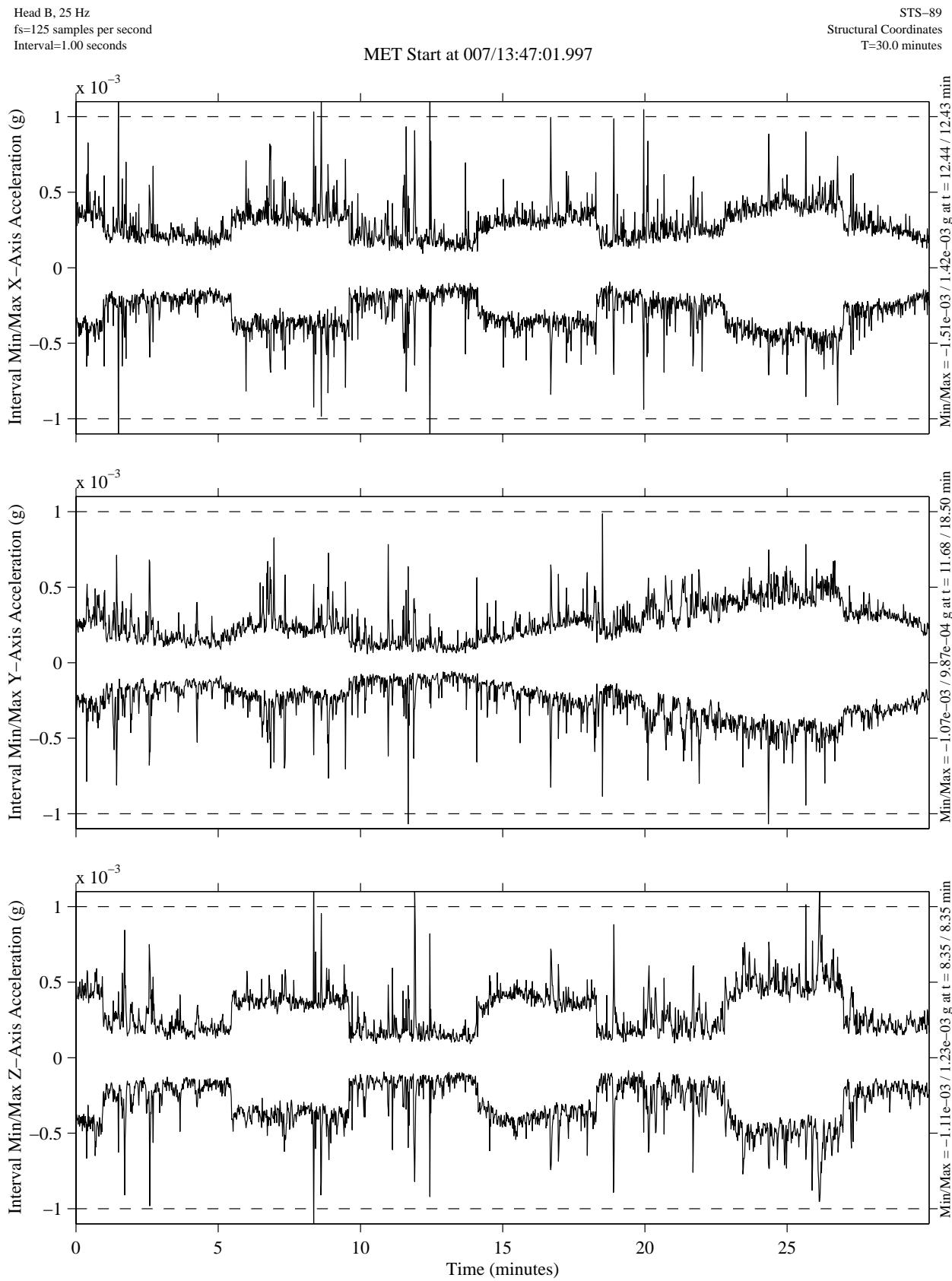
STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 007/13:17:01.993



MATLAB: 20-Oct-1998, 12:01 pm

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



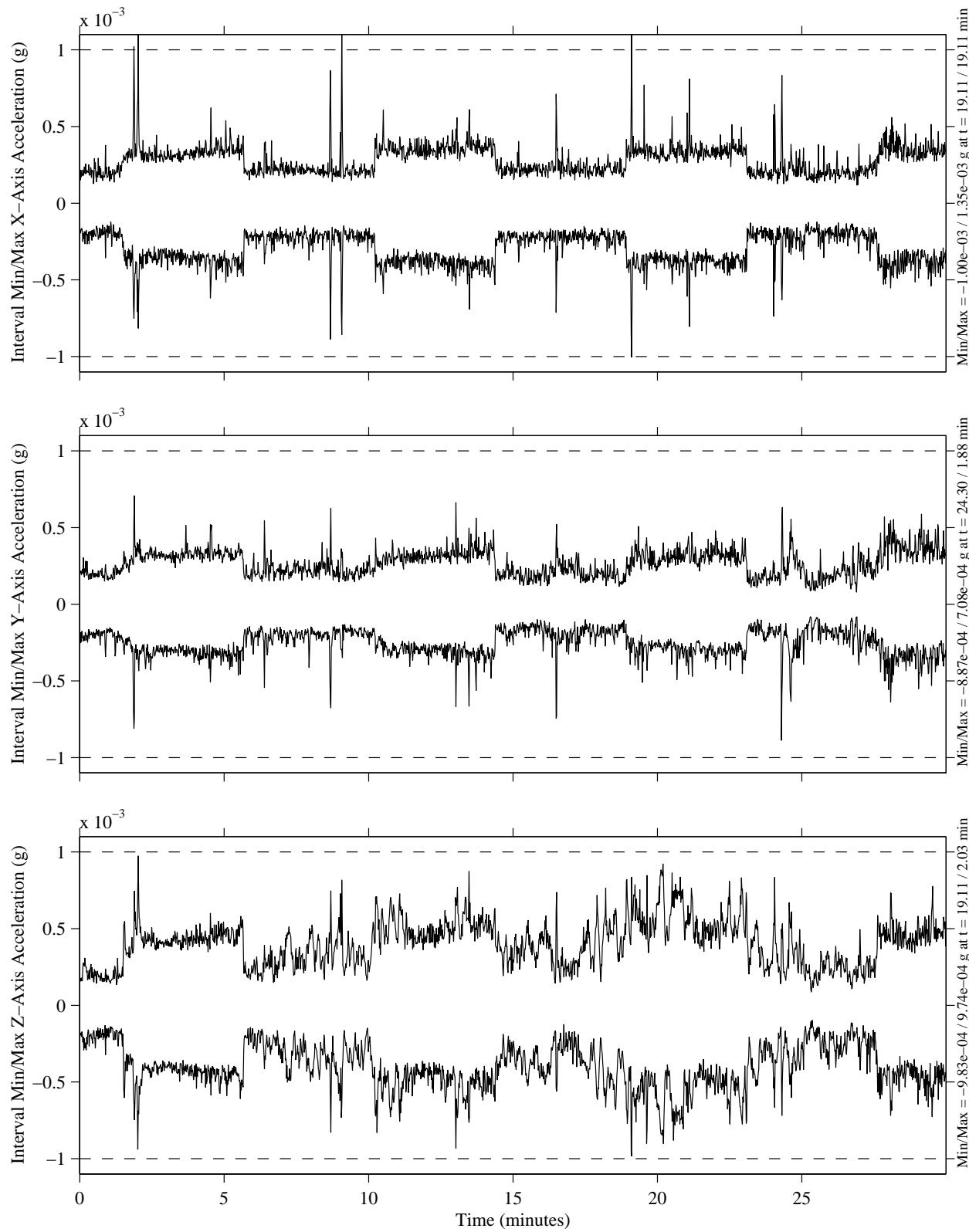
MATLAB: 20-Oct-1998, 12:01 pm

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=30.0 minutes

MET Start at 007/14:17:01.993



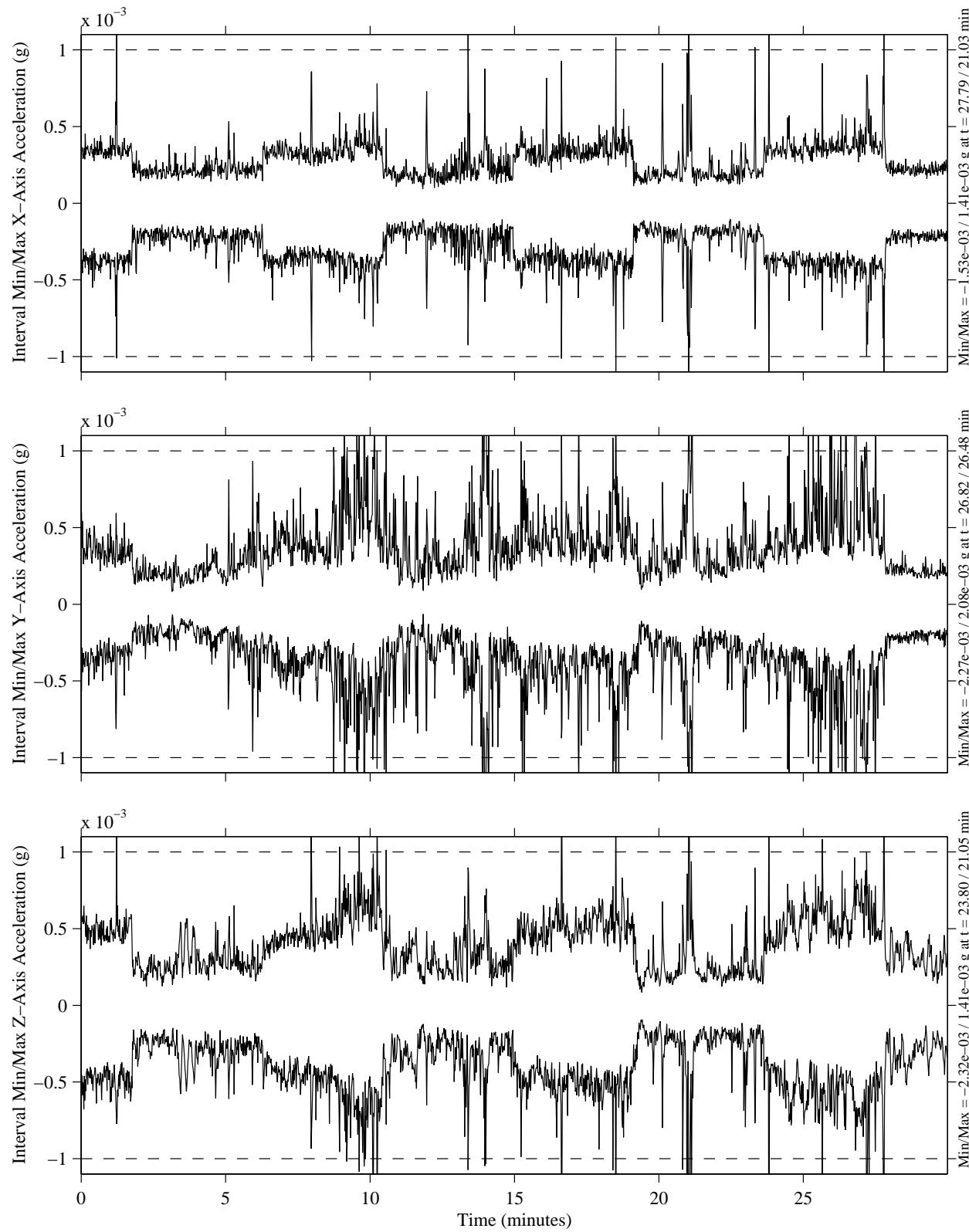
MATLAB: 20-Oct-1998, 12:02 pm

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
fs=125 samples per second
Interval=1.00 seconds

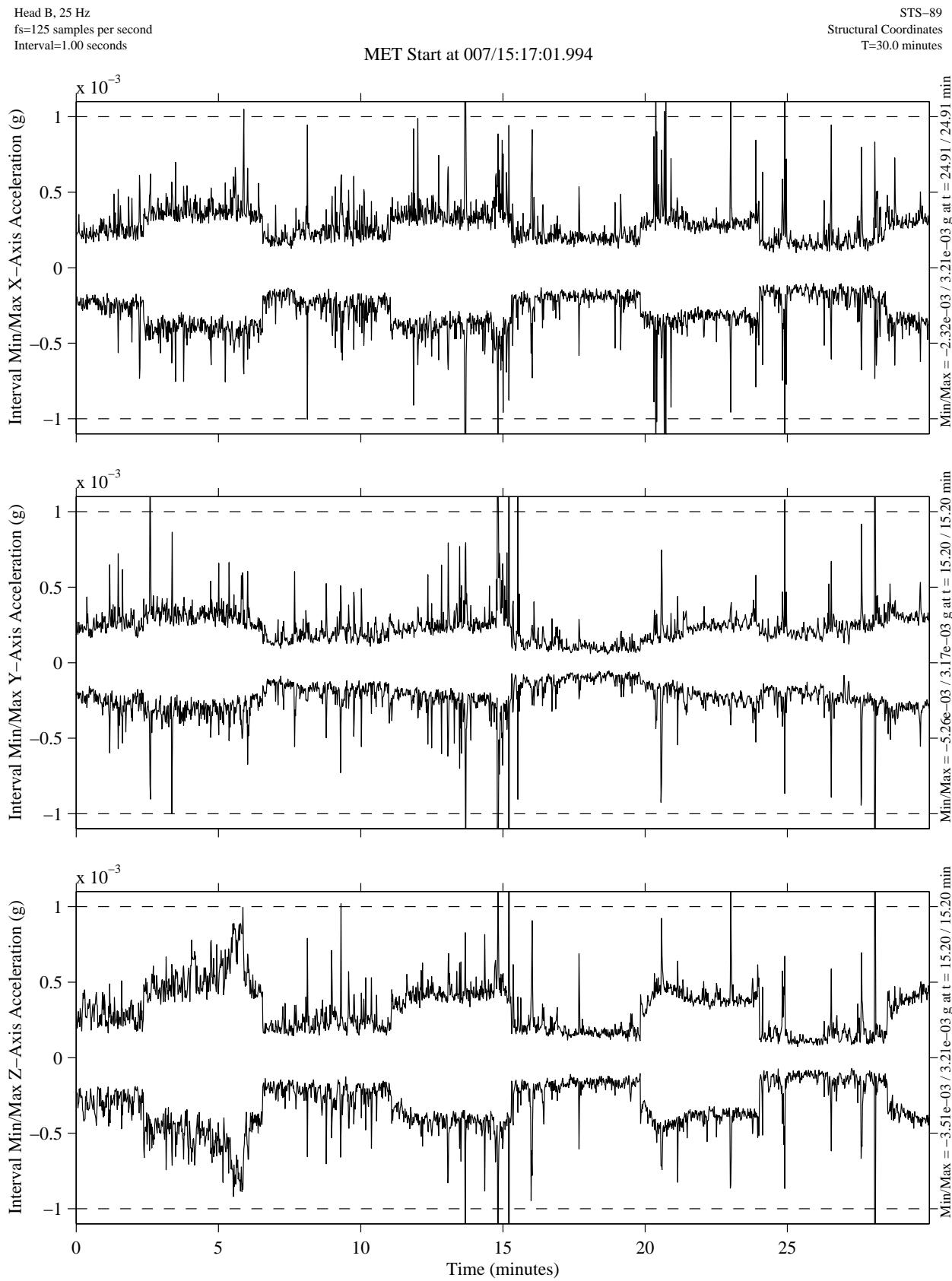
STS-89
Structural Coordinates
T=30.0 minutes

MET Start at 007/14:47:01.998



MATLAB: 20-Oct-1998, 12:02 pm

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89



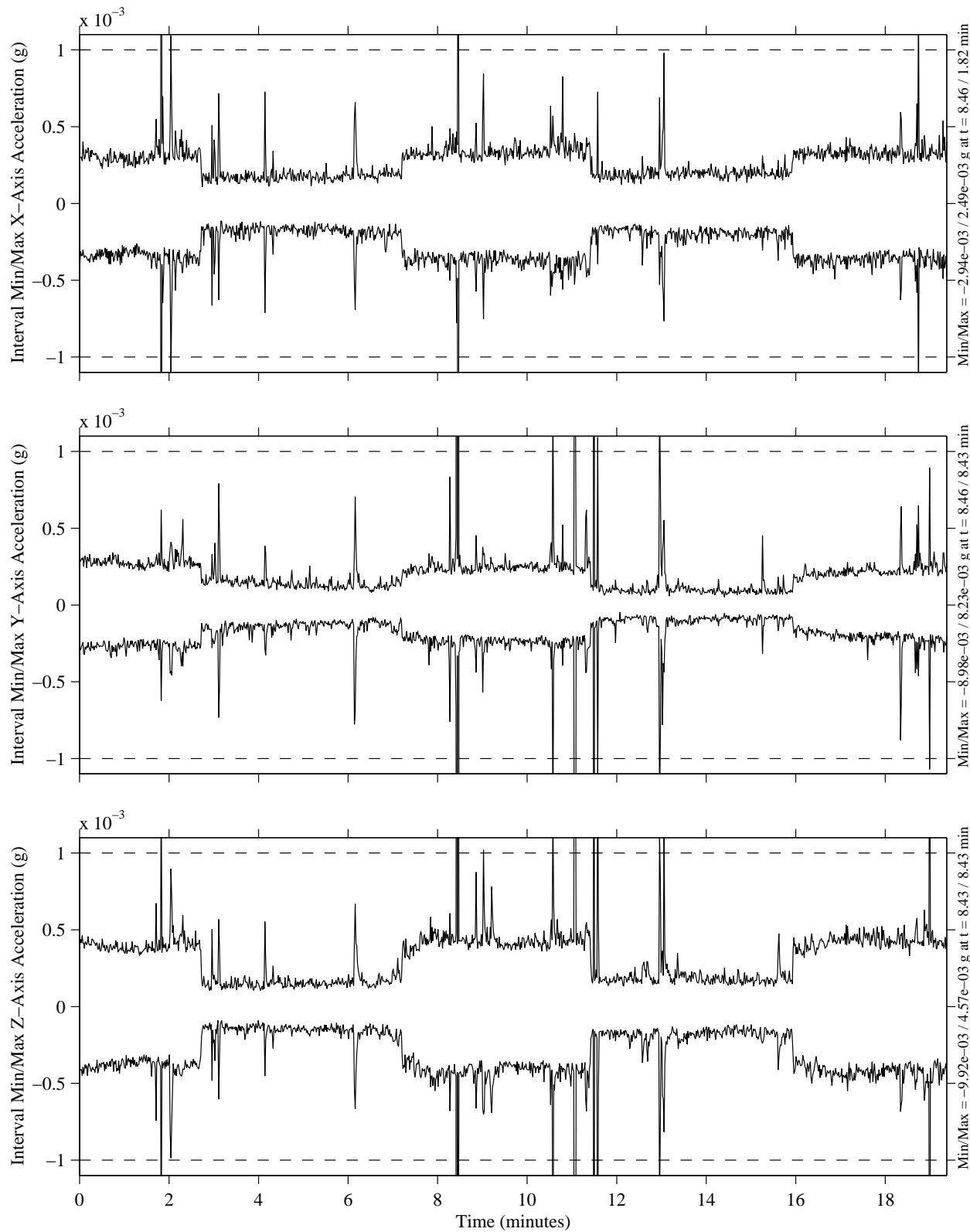
MATLAB: 20-Oct-1998, 12:02 pm

SUMMARY REPORT OF MISSION ACCELERATION MEASUREMENTS FOR STS-89

Head B, 25 Hz
 fs=125 samples per second
 Interval=1.00 seconds

STS-89
 Structural Coordinates
 T=19.4 minutes

MET Start at 007/15:47:01.999



MATLAB: 20-Oct-1998, 12:02 pm