

ON-SITE SEISMIC CORRELATION

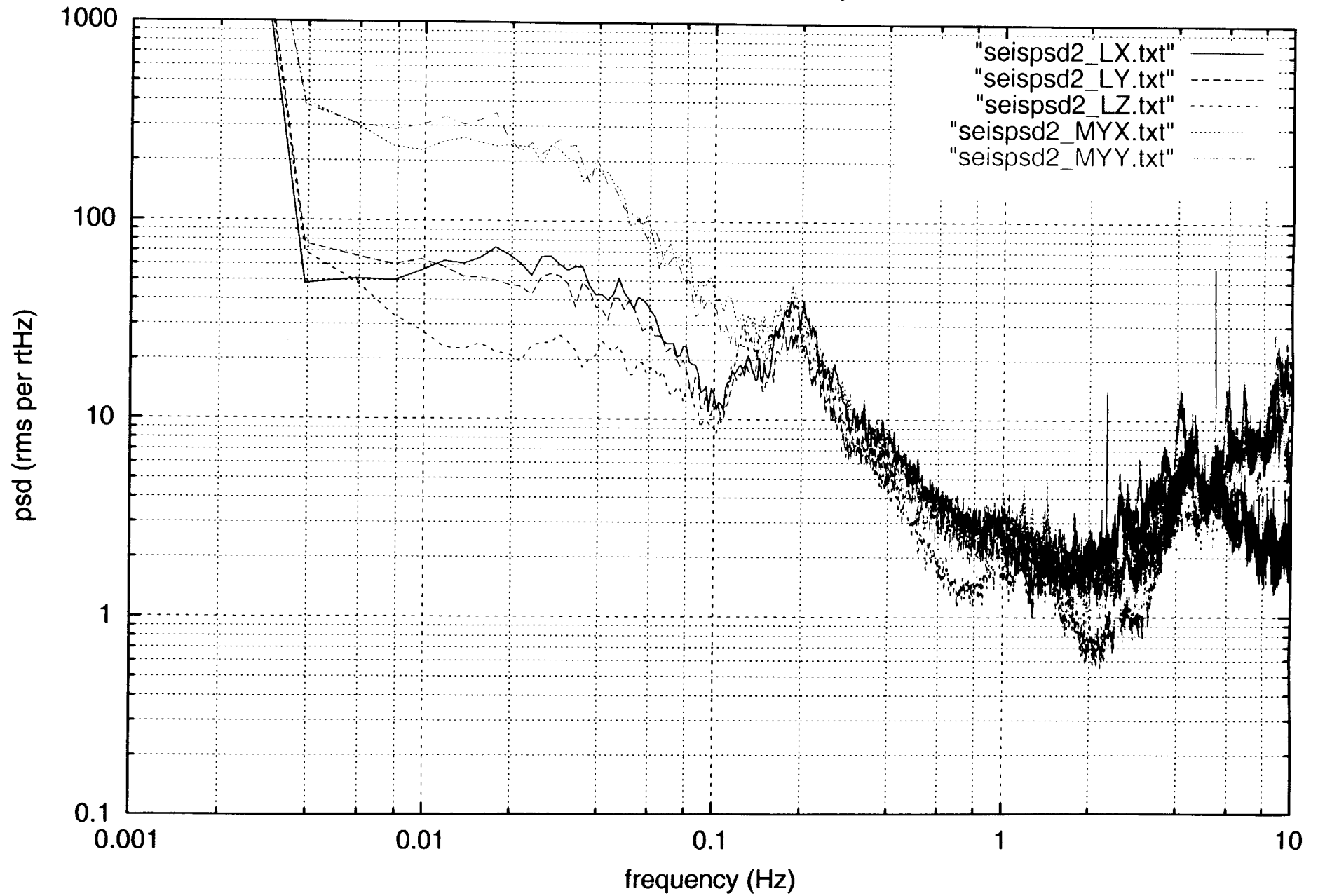
Ed Daw and Daniel Sigg

LSC meeting, July 1999

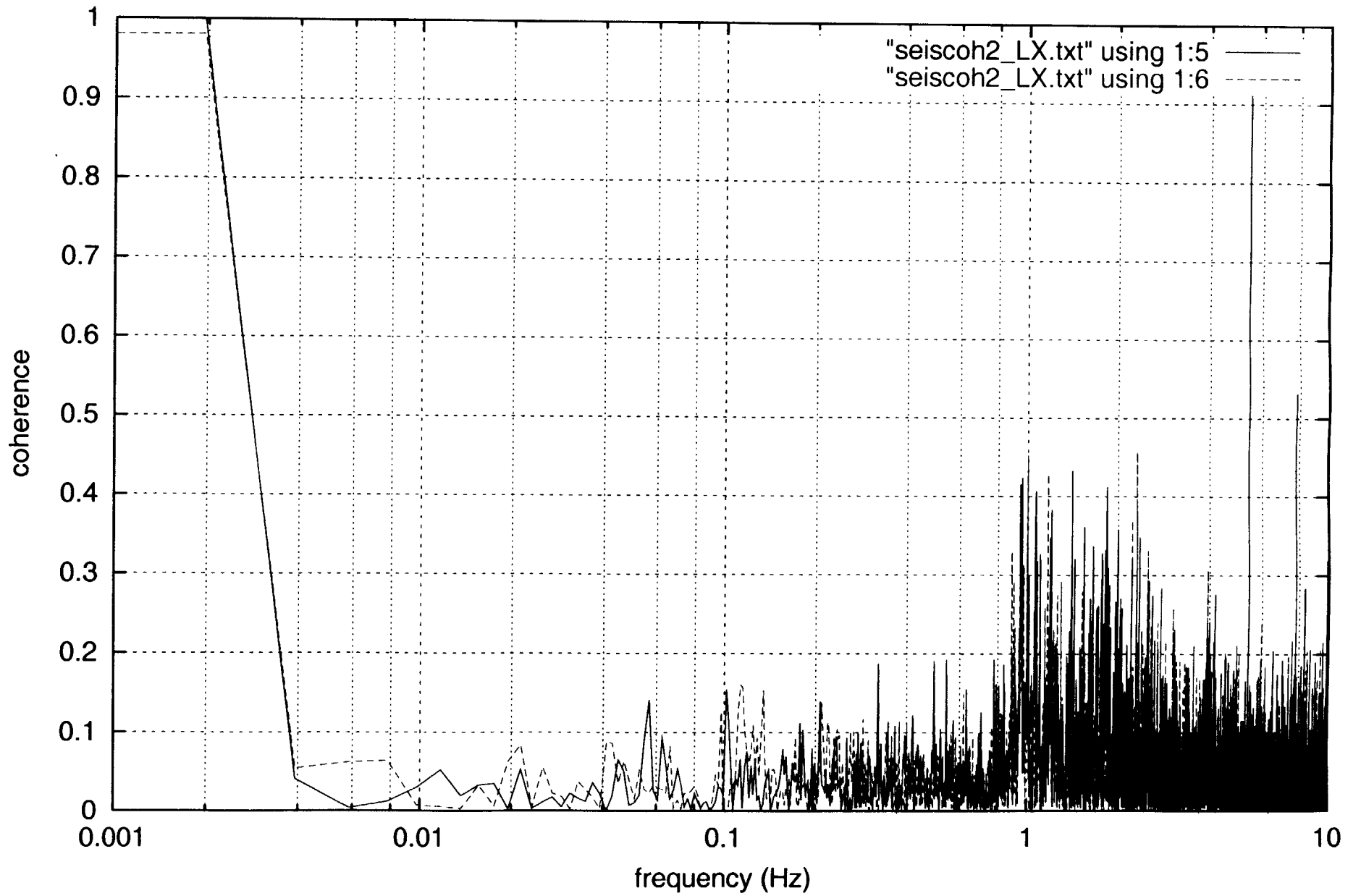
□ Measurement:

- Sensor: Güralp seismometer
- Location: LHO, LVEA and MY
- Analysis: power spectrum estimate, cross-power spectrum and coherence
- Measurement time: 512 sec (Hanning window)
- Averages: 30

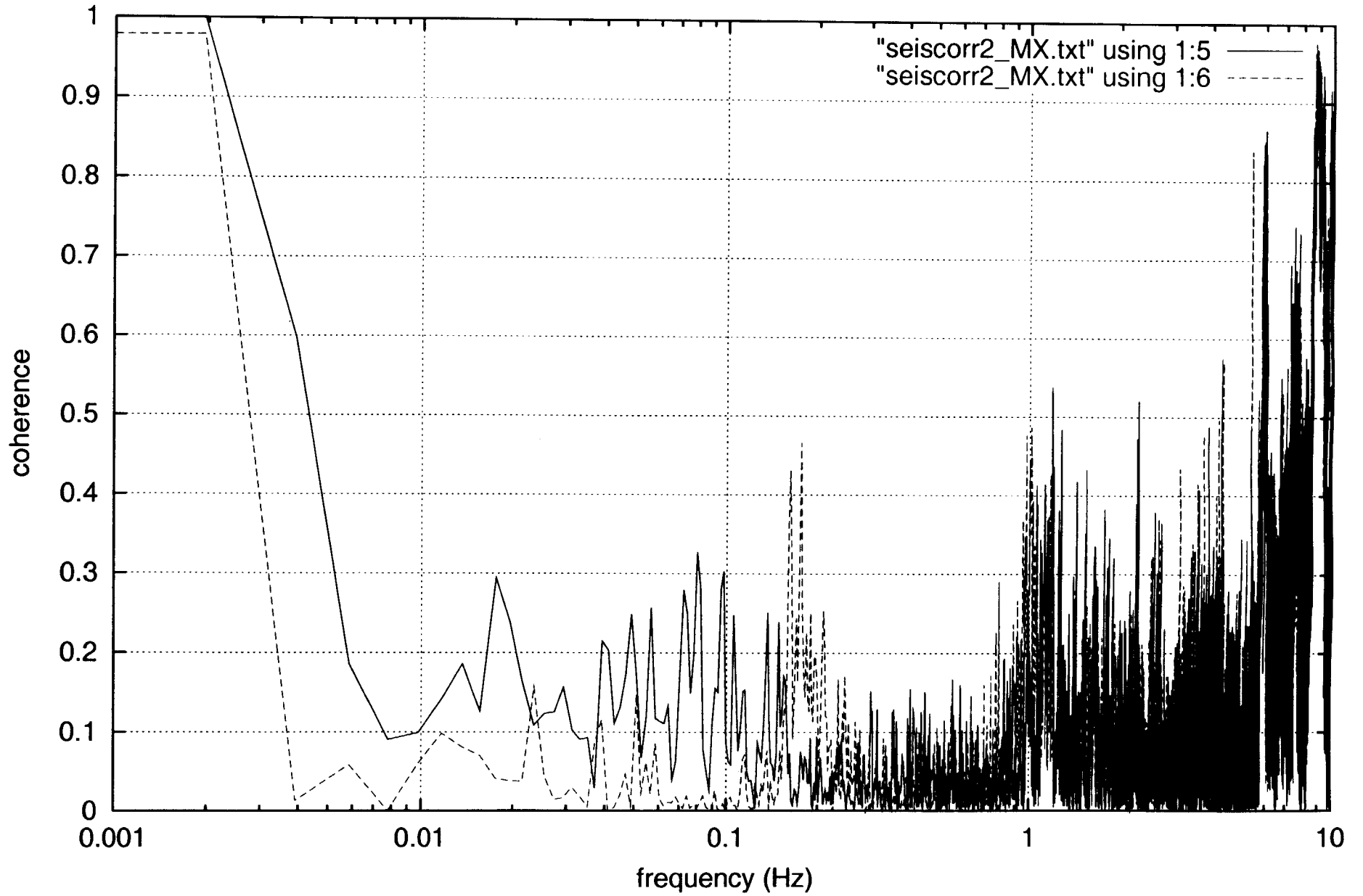
Power Spectral Density



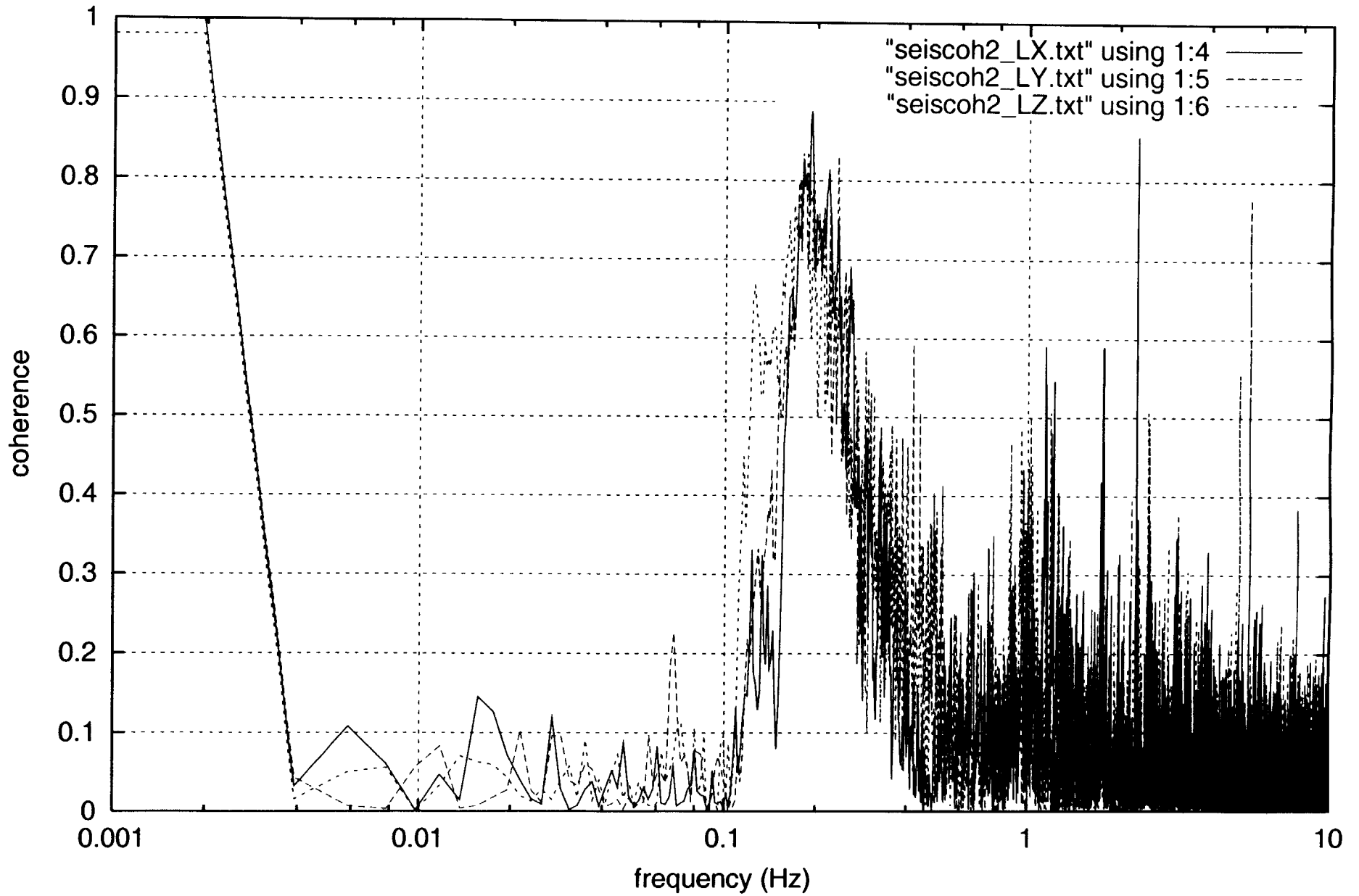
Coherence of the X axis of the LVEA seismometer
with the Y and Z axes of the Y Midstation seismometer



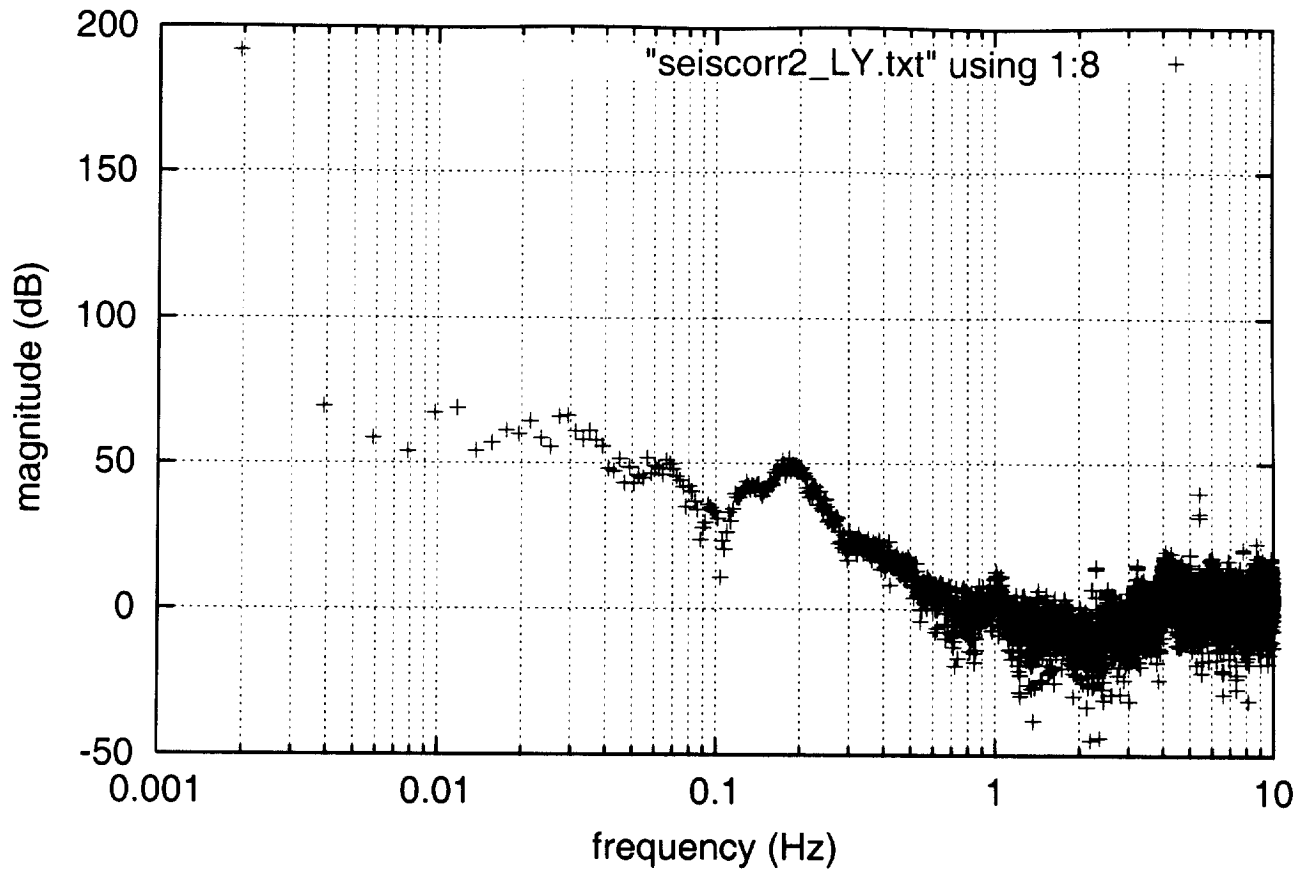
Coherence of Y Midstation seismometer X axis with the Y and z axes from the same seismometer



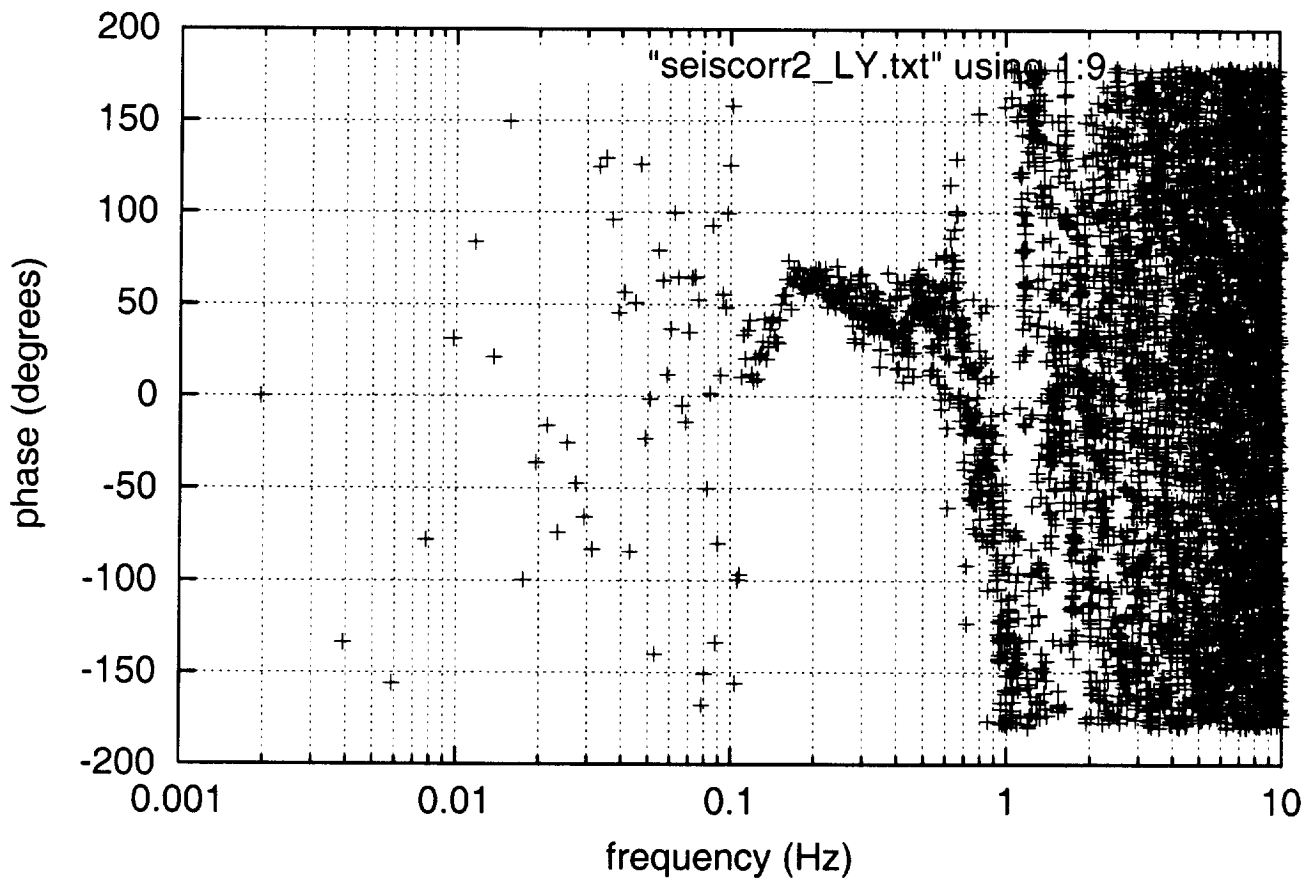
Coherence of the X,Y, and Z Axes of the LVEA Seismometer
with the X,Y, and Z Axes of the Y Midstation Seismometer



Cross Spectrum between LVEA and Y Midstation Seismometers



Cross Spectrum between LVEA and Y Midstation Seismometers



Note 1, Linda Turner, 08/17/99 08:43:20 PM
LIGO-G990079-32-M