**Event 1670183 SBSM FAS Spectra** 10<sup>3</sup> 10<sup>2</sup> 10<sup>1</sup> 100 Fourier Amplitude (cm/s)  $10^{-1}$ 10<sup>2</sup> 10<sup>-3</sup> 10<sup>-4</sup> 10<sup>-5</sup> 10<sup>-6</sup> 10 -2  $1\,\bar{0}^{1}$ 100 10 10 Frequency (hz) ■0%-100% ■2.5%-97.5% ■16%-84% — Graves & Pitarka (2015) Mean — RSQSim DATASET #1 (line: Shaded Uncertain Dataset, width=1.0; color: 220,220,220)

DATASET #2 (line: Shaded Uncertain Dataset, width=1.0; color: 192,192,192) 2.5%-97.5%

DATASET #3 (line: Shaded Uncertain Dataset, width=1.0; color: 0,255,0) 16%-84%

DATASET #4 (line: Solid, width=2.0; color: 128,128,128)
Graves & Pitarka (2015) Mean

DATASET #5 (line: Solid, width=3.0; color: 0,0,0)

**RSQSim**