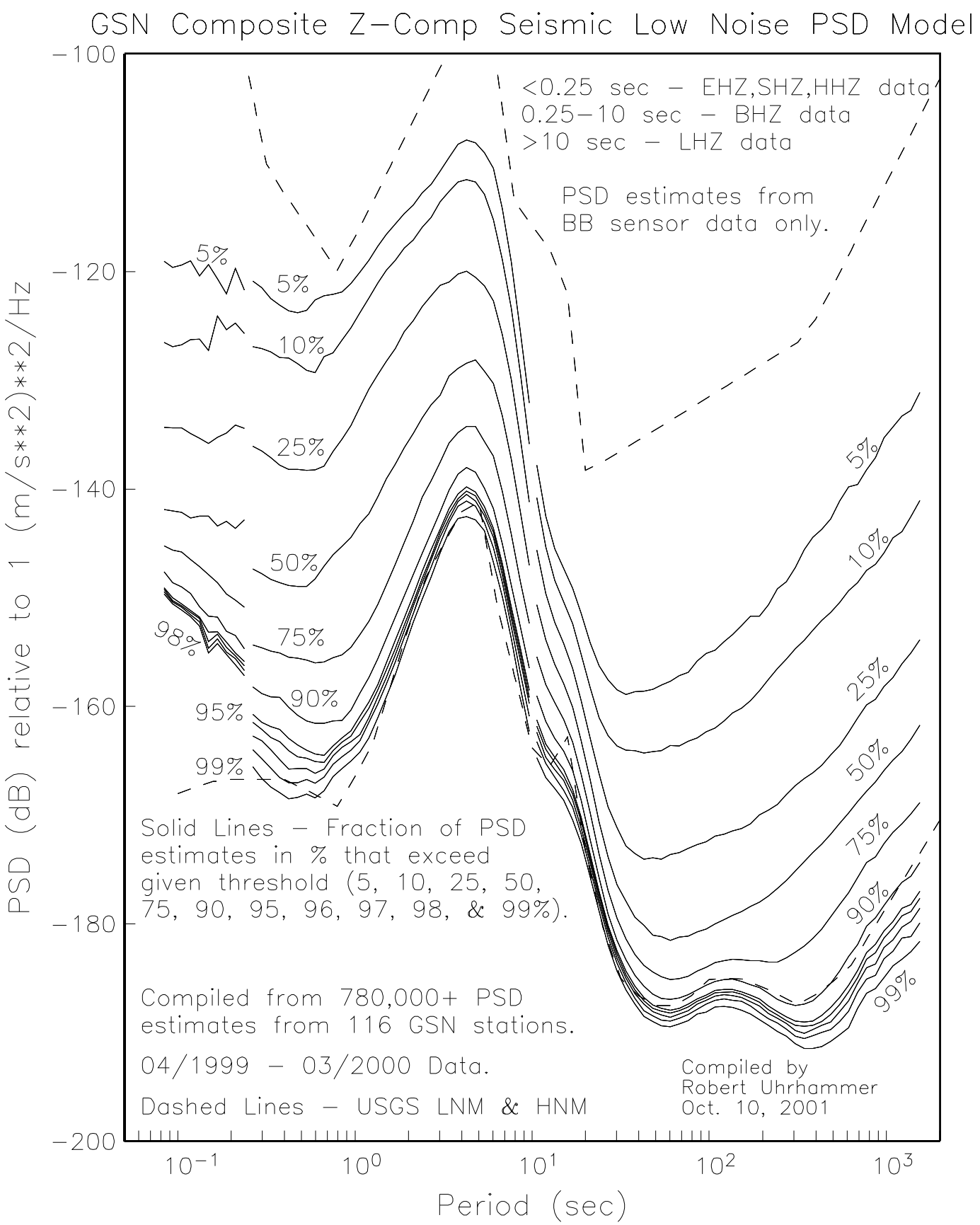
GSN Composite Z–Comp Seismic Low Noise PSD Model
<0.25 sec – EHZ,SHZ,HHZ data
0.25–10 sec – BHZ data
>10 sec – LHZ data
PSD estimates from
BB sensor data only.
5%
10%
25%
50%
75%
90%
95%
98%
99%
Solid Lines – Fraction of PSD estimates in % that exceed given threshold (5, 10, 25, 50, 75, 90, 95, 96, 97, 98, & 99%).
Compiled from 780,000+ PSD estimates from 116 GSN stations.
04/1999 – 03/2000 Data.
Dashed Lines – USGS LNM & HNM
Compiled by
Robert Uhrhammer
Oct. 10, 2001
PSD (dB) relative to 1 (m/s**2)**2/Hz
−100
−120
−140
−160
−180
−200
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
Period (sec)