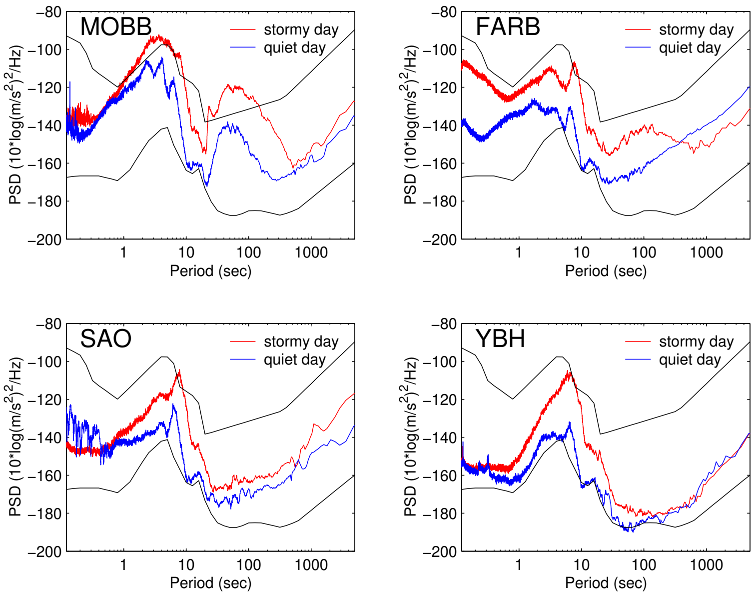

Figure 3: Observed background noise PSD at MOBB, FARB, SAO, and YBH. Shown are the Z-components on a stormy (red; Dec.16,2002) and on a quiet day (blue; May 23,2002). The USGS high- and low-noise models for land stations are shown in black. Increased noise level for periods between 20 and 500 sec, due to ocean currents and infragravity waves, is observed at MOBB, as well as at the island station FARB. The noise level at MOBB between 30 and 100 sec on a quiet day is comparable to the noise level at the island station FARB on a stormy day. The noise level at MOBB between 10 and 20 sec is comparable to the land station YBH, one of the quietest stations of the BDSN. See Figure 1 for FARB and SAO locations. Station YBH is 560 km north of MOBB.