



Figure 3. Spectrum (schematic) observed on the earth's surface. The arrow marks the frequency (0.03 Hz) at which the skin depth is just equal to 10 km, i.e., the depth to the source.

Students were asked if there could be any other factors in addition to absorption in the conducting medium that might reduce the strength of the earthquake signals as measured just above the earth's surface. The desired answer was some reference to reflection of the signals back down from the earth/air interface.