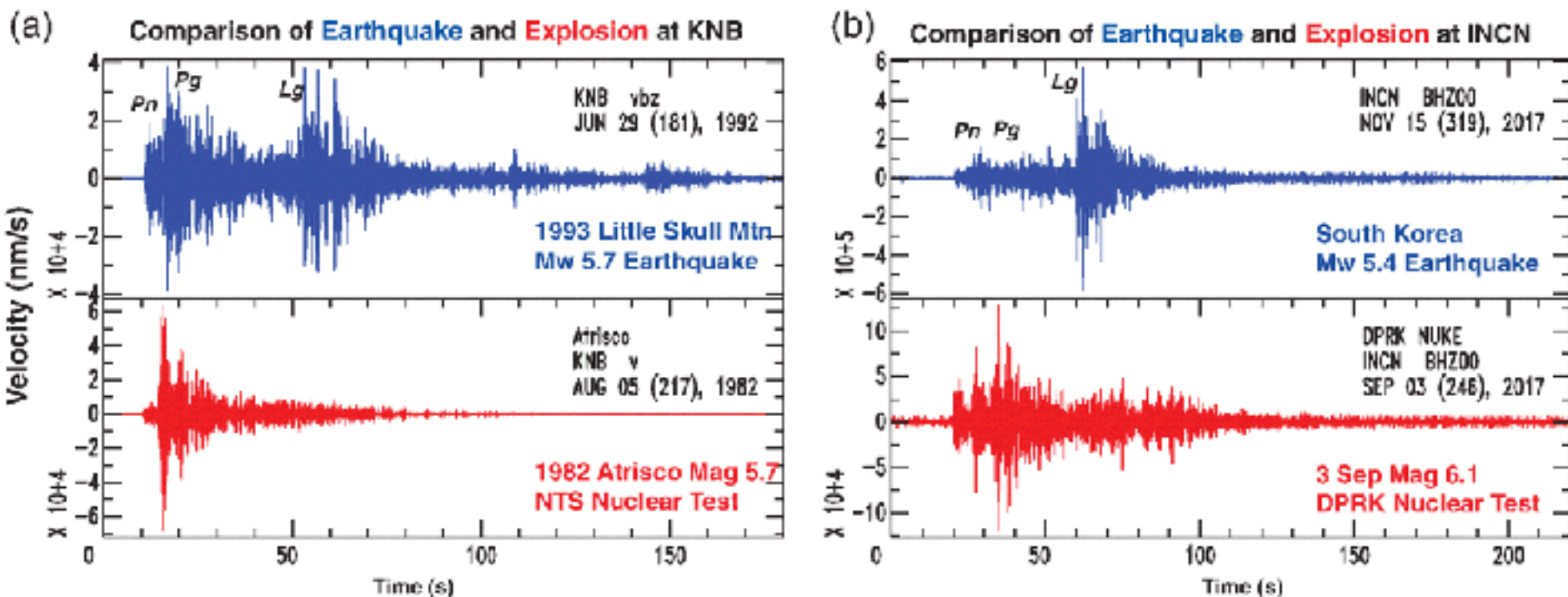


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**Figure Legend:**

Earthquake (blue) and explosion (red) 4–8 Hz band-pass filtered seismograms observed at a common station. (a) The Atrisco nuclear explosion and Little Skull Mountain earthquake at station KNB about 300 km away. (b) The 15 November 2017 South Korean earthquake and the 3 September 2017 Democratic People’s Republic of Korea (DPRK) declared nuclear test at station INCN. The explosion is about 475 km away and the earthquake is about 285 km away. In each case, the relative absence of Lg amplitude for the explosions is a basis for identifying them.