

The feature of waveform in Japan of two deep earthquakes which occurred beneath Peru on November 24, 2015

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Two deep earthquakes occurred successively on November 24, 2015 in Brazil. According to USGS, magnitude of these earthquakes are Mw 7.6, and focal mechanism of these earthquakes is the normal fault type. These two deep earthquakes were observed at whole part of Japan, but in trace, the amplitude ratio of the two earthquake are not constant.

From the two earthquakes, the Japanese observation seismic networks locate between 135 and 150 degree. Then half of the stations are in the shadow zone, the others are out of the shadow zone. The borderline of the shadow zone is crossing at the Chubu district, and maximum amplitude is caused PKP or PKIKP. Because two hypocenters are 0.5 degrees distant, amplitude ratio is varied.

Keywords: shadow zone, deep earthquake