

# Aftershock distribution by MJHD method

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## EAST OF KURIL ISLANDS

Origin Time (USGS): 2007/01/13 04:23:20 (UTC)

Hypocenter (USGS): 46.288°N, 154.448°E, 10 km (fixed)

Magnitude (Harvard CMT):  $M_w = 8.1$

**Events relocated:** Mainshock and one-day aftershocks.

**Results:** Length of the aftershock area: 180km  
Fault plane: Nodal plane dipping northeastward?

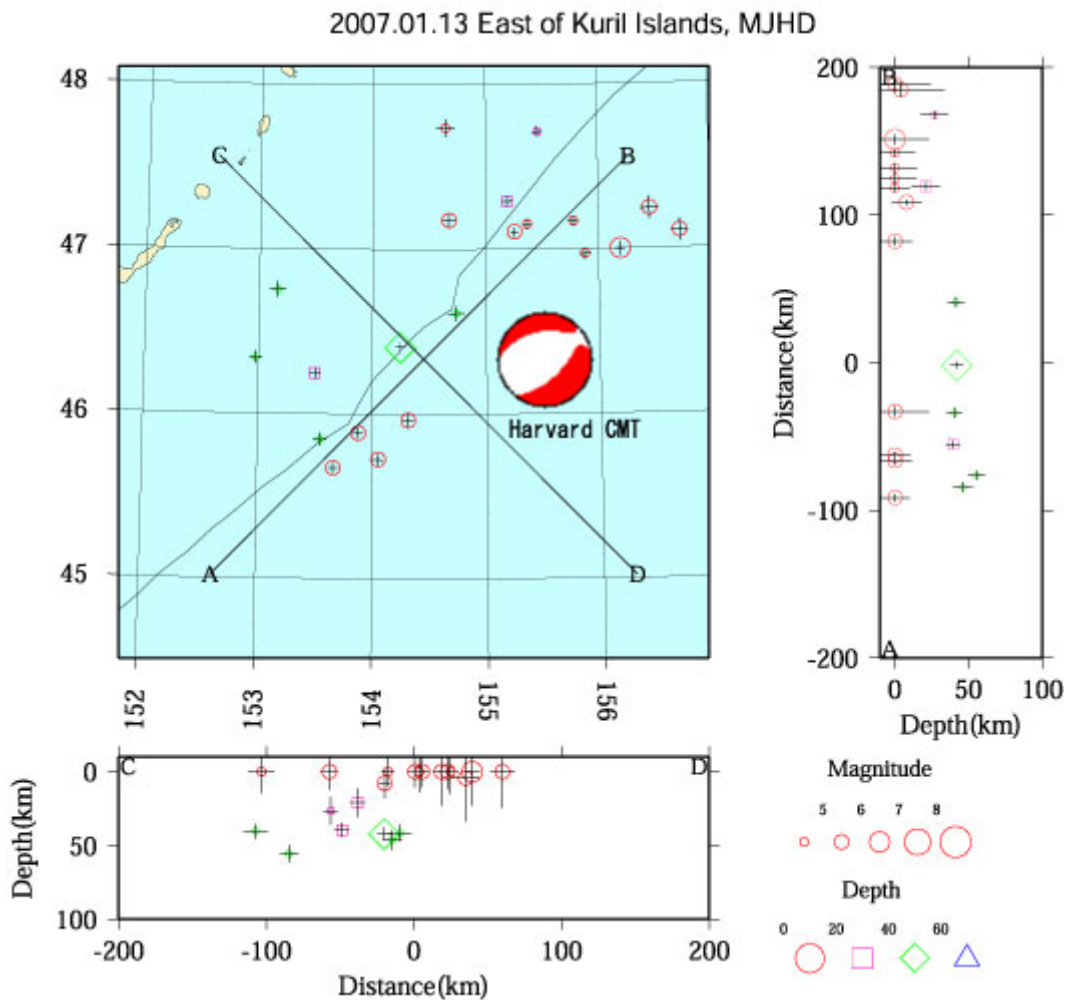


Fig. 1. Hypocenters relocated by the MJHD method. Harvard CMT solution of the mainshock is also shown.

2007.01.13 East of Kuril Islands, USGS

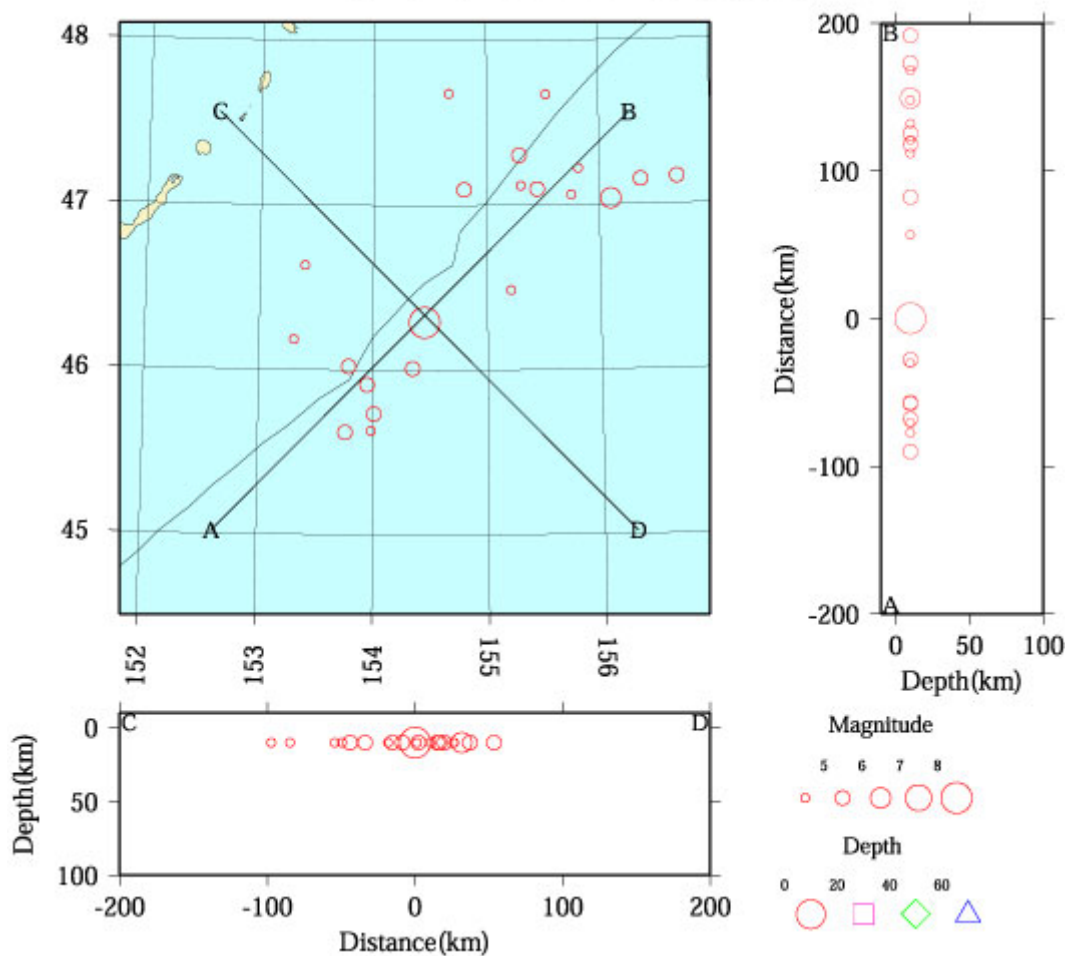


Fig.2 Hypocenters located by USGS.

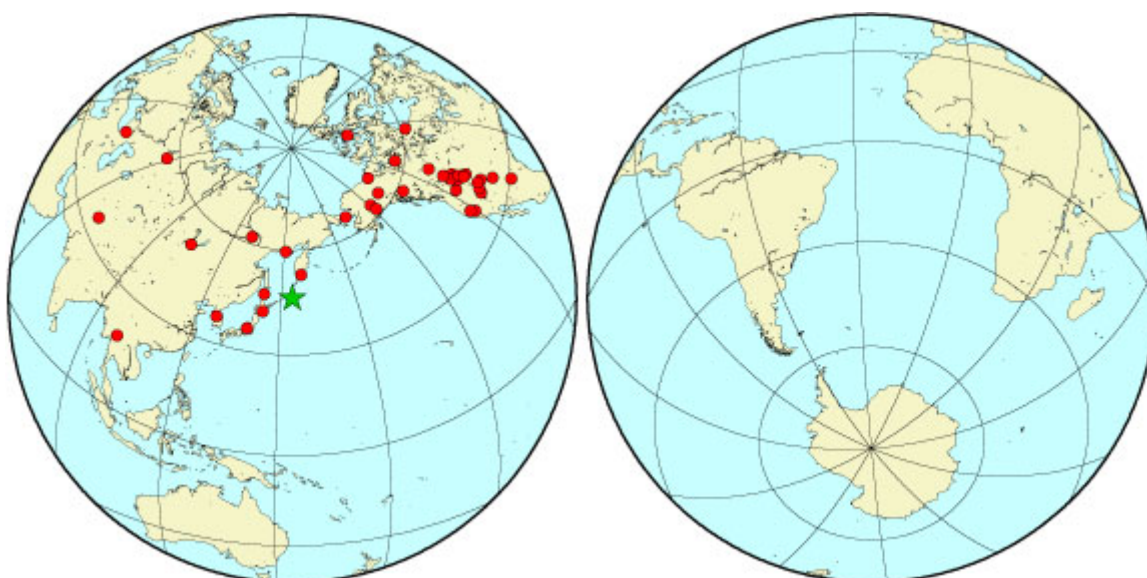


Fig. 3. Stations used in relocation. An asterisk indicates the epicenter.

**Data:** Latest Earthquakes in the World by the US Geological Survey

**Method:** Modified Joint Hypocenter Determination (MJHD) by Hurukawa