

The comparison of hypocenter location and magnitude determined by JMA and USGS.

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We compared Japan unified earthquake catalog and USGS earthquake catalog from October, 2002 to May, 2011. We compared Japan hypocenter and USGS hypocenter which were judged to be the same earthquake. For the inland earthquake and the coastal earthquake, USGS hypocenter location has tended to be decided a little west side compared with Japan hypocenter location. Although they are almost same longitude for small earthquakes, USGS hypocenter location has tended to be decided more west than Japan hypocenter location for large earthquakes. However, for the earthquake near a trench axis, USGS hypocenter location has the tendency to be located in the east side compared with Japan hypocenter location.

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