

The introduction of JMA CMT inversion –the method and the future-

Shigeki Aoki[1], Koji Nakamura[2], Yasuhiro Yoshida[3], Osamu Kamigaichi[2]

[1] Seismological and Volcanological Department, Japan Meteorological Agency, [2] JMA, [3] MRI

We have conducted CMT inversions on the research basis using data from JMA broadband seismometer(STS-2) network. About 220 reliable solutions have been calculated since 1994.

In this study, we used the CMT inversion method developed by Dziewonski et al.(1981). The frequency band for our calculation is limited to 100-45 sec, considering the response character of STS-2. Some techniques have been developed to get stable solutions, like a criterion for the station selection, and a centroid origin time guess to avoid a reversed solution. The solutions are catalogued after passing the quality check.

We plan to publish CMT solutions on "The Seismological and Volcanological Bulletin of Japan" and "The Annual Seismological Bulletin of Japan" in near future.