

## Extension and revision of the Earthquake catalog of the Japan Meteorological Agency

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Earthquake catalog of the Japan Meteorological Agency(JMA) was extended to the past and updated. Catalogue of relocated major earthquakes in and near Japan(1926-1960), the seismological bulletin of the Japan Meteorological Agency supplementary volume No.6 had been used as a representative earthquake catalog of Japan for various seismological studies since its publication in 1982. However, seismometrical data registered in JMA head office goes back to August, 1923. All the seismometrical data before July, 1923 was lost by the disaster caused by the 1923 Kanto earthquake(M7.9). We made an effort to locate earthquakes occurring the period from August 1923 through December 1925 and included them into the earthquake catalog.

In addition to the extension of the period of the catalog, we have been updating the catalog after 1923 because the present catalog was not homogeneous in terms of location accuracy and lower limit of detected earthquakes, depending on density of the network, quality of instruments especially their timing system, velocity structure models and methods employed for location estimation. Parameters of earthquakes of about 25% during the period from 1926 to 1964 are replaced now and complete renewal of the catalog will take several years. The updated catalog is included in the annual seismological bulletin of Japan for 2000 and also be available from the JMA FTP site. The updated catalog includes prominent earthquakes such as 1923 Kanto earthquake, 1925 Kita-Tajima earthquake and their aftershocks and will contribute to seismicity studies of Japan.