

Radziminovich N.A., Bayaraa G., Miroshnichenko A.I., Demberel S., Ulziibat M., Ganzorig D., Lukhnev A.V. Focal mechanisms of earthquakes and stress field of the crust in Mongolia and its surroundings. *Geodynamics & Tectonophysics*. 2016. Volume 7. Issue 1. Pages 23–38. <http://dx.doi.org/10.5800/GT-2016-7-1-0195>.

SUPPLEMENTARY MATERIALS EXPLANATIONS

Sheet 1 in **Focal_solutions.xls** contains the list of fault plane solutions of $M \geq 4.5$ earthquakes. The solutions derived from waveform modelling are taken from the Global Centroid Moment Tensor Project (Harvard CMT Project till 2006) [Dziwonski *et al.*, 1981; Ekström *et al.*, 2012] and special case study reports. Data from other agencies, like EMSC or USGS are not given here. Most of the epicenter coordinates are taken from the regional catalogs. In case of CMT solutions, the centroid epicenters are shown. Depths of hypocenters are poorly constrained for the majority of the events; thus, they are omitted. Values of moment magnitude M_w are given where it was possible. If the magnitude type is not specified, it means that the value was calculated from the general empirical relationship between magnitude and energy class (K-class): $M = (K - 4) / 1.8$ [Rautian, 1964].

Sheet 2 contains new focal mechanisms for some $M \leq 4.5$ earthquakes that occurred in the northern Mongolia and the southern Baikal region.

References in the table are given below.

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