**Deep Moonquake Viewer for *ArcGlobe***

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**Software Requirement**: *ArcGlobe* Ver. 10.4 or later, running on *Microsoft Windows 7* or later.

*ArcGlobe* is one of the modules available in *ArcGIS Desktop* by ESRI.

In order for the viewer to work, both files (Moonquake\_viewer\_in\_ArcGlobe.3dd and Moonquakes.gdb) must be place in a same folder. Simply double-click on Moonquake\_viewer\_in\_ArcGlobe.3dd.

**Data Source**: Nakamura, Y. (2005) Farside deep moonquakes and deep interior of the Moon, *J. Geophys. Res.* v. 110, E01001, doi:10.1029/2004JE002332

**Notes to Users:**

* This tool displays the hypocentral positions of the deep moonquake clusters/nests described by Nakamura (2005). The positions for some of them have been revised since by Bulow et al. (2007) and Weber et al. (2009).
* *ArcGlobe* is designed for 3-D mapping on Earth. Therefore, all the distance measurements on this map assume that the globe is Earth-size. The depths of the moonquake hypocenters have been adjusted so that they would be displayed at their correction positions relative to the size of the globe.
* The graticules and the Apollo landing sites have been obtained from the Astrogelogy Science Center of the United States Geological Survey.

**References:**

Bulow, R. C.; Johnson, C. L.; Bills, B. G.; Shearer, P. M. (2007) Temporal and spatial properties of some deep moonquake clusters. *J. Geophys. Res.* 112, doi: 10.1029/ 2006JE002847.

Nakamura, Y. (2005) Farside deep moonquakes and deep interior of the Moon. *J. Geophys. Res.* 110, doi:10.1029/2004JE002332.

Weber, R. C.; Bills, B. G.; Johnson, C. L. (2009) Constraints on deep moonquake focal mechanisms through analyses of tidal stress. *J. Geophys. Res.* 114, doi:10.1029/ 2008JE003286.