

Interactive comment on “Earth’s rotation variations and earthquakes 2010–2011” by L. Ostrřihanský

Anonymous Referee #3

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Just a quick comment. The authors need to compute the stresses from the changes in LOD. Generations of scientists have extensively compared the times of earthquakes to tidal stresses, and choose to look at tidal stresses because they are big. They dominate strain meter records, tidal records, and long-period seismograms, for example.

I suspect the LOD stresses are very small, and are likely already included in the state-of-the-art stress calculations, although I might be wrong. In any case, show that the stresses have a ghost of a chance, figure out if they are encouraging the fault to fail in the direction we know they did, and there conceivably could be a scientific contribution to this work.

Interactive comment on Solid Earth Discuss., 4, 33, 2012.