

Re: Owen's Two-Phase Model of Earth Expansion

Source: <http://sci.tech-archive.net/Archive/sci.geo.geology/2005-03/0547.html>

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Matt wrote:

- > *In fast EE the change in radius is so fast that the rate of increase*
- > *of LOD would be much greater than observed. In slow EE the change in*
- > *LOD correlates well with the observed change, if we neglect the tidal*
- > *mechanism.*

Why do you assume that the spin rate wouldn't change correspondingly with the change in radius? There is a bulge round the equator, because (from an equilibrium point of view) that part is going too fast, i.e., the faster the Earth spins, the bigger it gets, or putting it the other way, the bigger it gets, the faster it spins – ****IF**** there has been an energy input to the system (like Moon capture)

<http://users.indigo.net.au/don/ee/abstract.html>

(Of course, much more has occurred than just enlarging the ambitus. The geology is telling us that conservation of angular momentum is not an issue)