

Dear Prof. Gerya. It is not true that correlation between seismic activity and sidereal LOD variations has been proposed before. I suppose that you have not read my answer to the last anonymous reviewer (see AC C49). There it is written that the stress calculation of LOD has been already performed by Wahr (1985) and others and the theoretically obtained value is very weak 0.1 Pa in comparison with diurnal and biweekly tidal stress 10^3 Pa. However the observed LOD correlated stress change is of the order $10^4 - 10^5$ Pa (Wang et al 2000).

I think that I correctly answered all comments of reviewers and I am asking you for printing this my answer to your comment with Figure and my paper Se-2011-36 to be exposed to the end of March. I will finish the paper: Metonic cycle and Alaskan earthquakes and then I will not be able continue in my investigation owing to social reasons, the necessity providing minimum costs for living. It is a pity I will not be able to continue in investigation of earthquakes in Apennines and California. See Figure: Two Metonic cycles and Alaskan earthquakes 1964 – 2011 in Supplement.

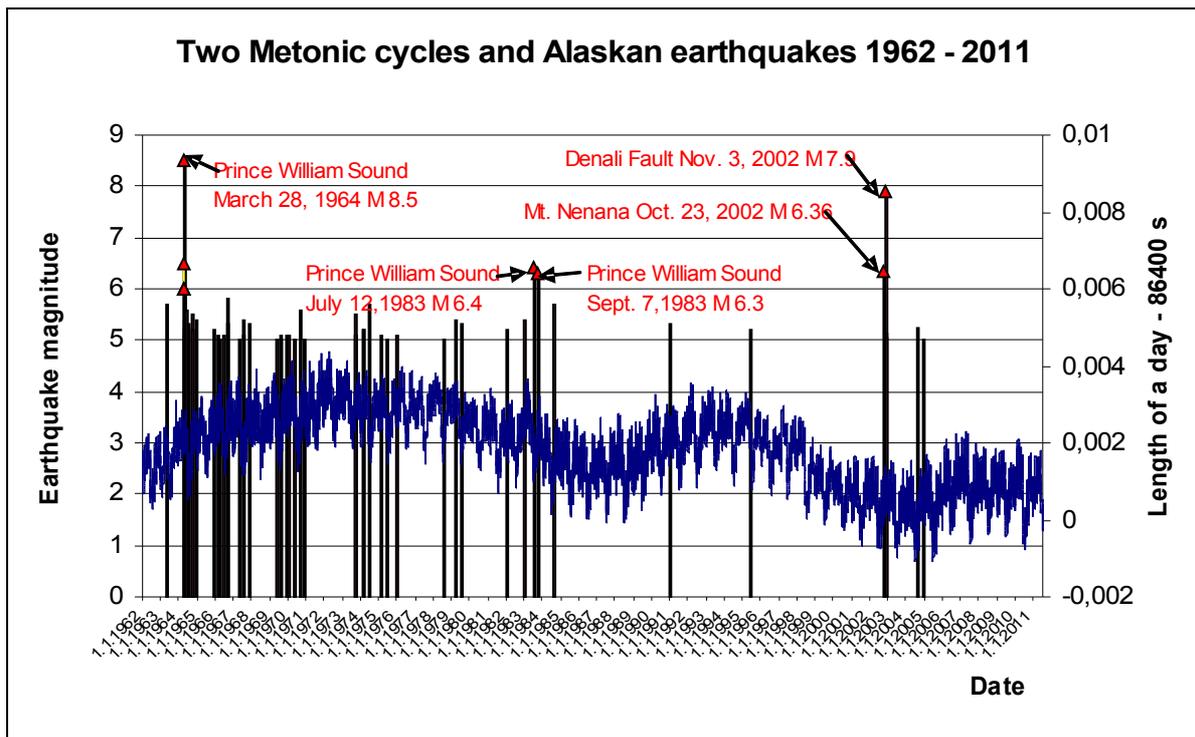


Figure: In Riguzzi et al. 2009 it is claimed that as LOD increases the number of earthquakes is higher and vice versa. This figure shows that it is true for the first period 1964-1983 of Meton's cycles. But the second period with Denali Fault earthquake shows on the contrary low LOD and increment of earthquakes. In westward moving plates the relation of increment LOD and earthquakes prevails. In northward moving plates (Indian, African) the low LOD coincides with large number of earthquakes, as it is shown in discussion paper. (Triangles mark earthquakes over M 6. The investigated area covers rectangle 60° N – 65° N, 146° W - 149°W with Anchorage and Fairbanks).