



Gravitational and Inertial Anomalies and Seismic Prediction

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Abstract. Recent measurements of forces and motions on the earth's surface taken during eclipses and other configurations of the earth, moon and sun contradict general relativity, the accepted theory of gravity. These phenomena could help explain correlations between seismic behavior and the positions of the earth, moon and sun which so far have no accepted explanation.

For decades there have been strong correlations between seismic activity and the positions of the earth, moon and sun as well as the level of solar activity. While a few of the weaker correlations can be explained with tidal triggering models, the stronger and more predominate relationships have no explanation within accepted theories of gravity and/or geology.

Measurements taken with a variety of pendulums have shown an anomalous precession that varies with lunar phase and lunar sidereal period. More pronounced anomalies are observed during eclipses. Not only is there a more pronounced anomalous precession, but there is also an anomalous decrease in vertical gravity during the eclipse. A few researchers have even observed similar anomalies during planetary occultations. The main observation can be interpreted as a unexplained torque which twists one way before an eclipse and the opposite afterwards. In the northern hemisphere the torque would be counterclockwise prior to the eclipse when viewed from above and clockwise after.

Various tectonic models have North America rotating counterclockwise. As it does, it compresses an area lying along a line roughly perpendicular to the San Andreas and running through its intersection with the Garlock fault. Strong earthquakes occur in this area just prior to eclipses. This is very near in time to when the anomalous counterclockwise torsion would be maximized.

This paper summarizes measurements of anomalous gravitation and inertia. Tectonic forces that would result from them are calculated. Over 200 papers that show a positive correlation between earth-lunar-solar position and seismic activity are also summarized. Possible connections between anomalous periods in seismicity and anomalous gravity and inertia are described.