

REVISIONS RECORD 3.0

Global View of Great Earthquakes and Large Volcanic Eruptions Matched to Polar Drift and its Time Derivatives

by Douglas W. Zbikowski

Draft 2.1 posted on 1 May 2012

Draft 2.1 to 2.2 Changes:

1. Section 1 - In sentence four, 'differential gravitational (tidal)' was substituted for 'gravitational' to increase specificity.
2. Section 3 - At the end of sentence six, 'and has averaged about 15 cm/yr since 1890.' was substituted for more specificity.
3. Section 5 - In the last sentence, 'now' was inserted before 'determined' for clarity.
4. Section 6 - After the last sentence, this sentence was added: 'Hereinafter, mean poles prior to 1890 are not utilized.'
5. Section 11 - In sentence one, 'gravitational torque (tidal torque)' was replaced by 'tidal torque' because the modification in section 1, above, now defines the term's use hereinafter. Also, 'included' was substituted for 'shown here', for concision. In sentence three, square brackets were exchanged for outer parentheses in '[(55.83 + 61.95)/2 = 58.89]'. *The Chicago Manual of Style 13.27*
6. Section 12 - In the last sentence, square brackets were exchanged for outer parentheses in '[1901 – (2 x 59) = 1783] '.
7. Section 13 - In sentence one, changed order to: 'between time derivatives of drift and global great quakes or large eruptions' to foreshadow the cause-effect order consistent with causality described in discussion.
8. Section 16 - In sentence four, 'profile (equatorial bulge)' was replaced by 'shape (and equatorial bulge)' for accuracy of description.
9. Section 19 - In sentence one, replaced equation with, '(9.3 yr x 5 quakes + 9.1 yr x 3 eruptions)/8 events ≈ 9.2' for more detail and accuracy. In the last sentence, inserted 'about' before '9.2 years' for accuracy of description.
10. Section 20.2 - The end of sentence six was changed to, 'polar drift, by some mechanism(s), drives these events.' for consistency of logical flow. In sentence seven, 'about' was removed before '1930' and inserted before '9.2 years' for accuracy of descriptions.
11. Section 20.5 - In sentence seven, 'surface' was replaced by 'local' for clarity. Sentence nine (second to last) was reorganized for clarity.
12. The color hue of the type font was made identical throughout document.
13. Section 21 - In sentence four, 'recognizes' was substituted for 'assesses'.

Draft 2.2 posted on 23 May 2012