

REVISIONS RECORD C

Apparent Triggering of Large Earthquakes in Los Angeles and San Francisco Regions Related to Time Derivatives of Ellipsoidal Demand, Kinematically Derived: Qualitative Interpretations for 1890–2014.1

Draft 1.0 posted on 12 October 2014

Draft 2.0 posted on 23 November 2014

Draft 3.0 posted on 8 February 2015

Draft 4.0 posted on 22 November 2015

Draft 3.0 to Draft 4.0 changes:

1. Section 3 – In sentence five, after ‘crust’ insert ‘at a location’ for specificity.
2. Section 11 – In sentence one, after ‘on the LA side of’ insert ‘, or close to,’ for inclusion; and move ‘nearby’ to after ‘curve’ for flow. In sentence two, delete ‘Western’ for unambiguous clarity. Similarly, in sentences three, four, and five, delete ‘Western’. In the last sentence, after ‘article’ insert ‘and its appendices’ for completeness.
3. Section 12 – In sentence two, replace ‘only’ with ‘with an epicenter’ for clarity and delete ‘distant’ for concision.
4. Section 14 – In sentence one, at the very end; replace ‘average’ with ‘its average distance’ for specificity. In sentence three, delete phrase about earth tides and expand the description with the insertion of ‘Further, the greater the tidal potential produced from near-optimal lunisolar alignments and proximities with Earth, the greater the values of time-derivative aspects (e.g. jerk, jounce) of crustal motion.’ as the next sentence.
5. Section 18 – In sentence five, replace ‘century’ with ‘two centuries’ and ‘somewhat’ with ‘roughly’ for accuracy.
6. Section 19 – In sentence one, replace ‘guess’ with ‘surmise’ for better fit. In sentence six, replace ‘anywhere globally’ with ‘at another global location’ for clarity. In sentence seven, replace ‘is suggestive of’ with ‘suggests’ for concision.
7. Figure 2 – Graph updated with incidental improvements.
8. Section 22 – In sentence four, replace ‘was’ to ‘were’ to match number and after ‘evident’ insert ‘for the traces’ for clarity. Replace Figure 3 with a revised version that includes an Earth-Mars encounter distance trace.
9. Figure 3 – Graph updated with ‘Earth-Mars’ nearest distances⁻² trace and incidental improvements.
10. Section 23 – After the last sentence, three sentences are added to describe additions to revised Figure 3.
11. Section 25 – In sentence three, before ‘component’ insert ‘sawtooth-like’ for specificity. Replace sentence four with ‘Presumably, this component also resides in the polar-drift data, because ellipsoidal demand is calculated from only that and geometric parameters which are constant for a global location.’ for clarity. In sentence 5, replace ‘These’ with ‘The polar-drift’ for specificity, replace ‘435’ with ‘433’ to match best estimate, and replace ‘appears to have an’ with ‘has a calculated’ for specificity. In the last sentence, replace ‘identify the’ with ‘determine the full extent and’ for completeness and replace ‘source may be determined.’ with ‘candidate source(s) may be identified.’ for precision.
12. Section 26 – Completely rewritten with increased information, accuracy, and completeness.

13. Section 27 – In the last sentence, replace ‘Appendix B’ with ‘Appendix C’ to reflect the insertion of an additional appendix.
14. Section 36 - In sentence five, replace ‘usually’ with ‘primarily’ and delete the ‘primarily’ after ‘determined’ for concision. Make everything after ‘stated,’ in italics, for emphasis.
15. Section 44 – In sentence three, after ‘*more*’ insert ‘*and greater*’ for completeness.
16. Section 50 – In the last sentence, replace all after ‘*will*’ with ‘*require a formidable, cooperative enterprise.*’ for completeness.
17. Section 51 – In sentence one, after ‘kinematic’ insert ‘, time-derivative’ for completeness.
18. Section 52 – In sentence one, after ‘kinematic’ insert ‘, time-derivative’ for completeness. In sentence three, after ‘kinematic’ insert ‘, time-derivative’ for completeness. In the last sentence, after ‘representation’ insert ‘or related formalism(s)’ for completeness; and delete ‘(in triggering-impetus space)’ for concision.
19. Appendix B – New Appendix B inserted, which makes the old Appendix B - now Appendix C.
20. Figure C1 – (old Figure B1) Graph updated with incidental improvements.
21. Figure C2 – (old Figure B2) Graph updated with incidental improvements.

21 November 2015 rev. / DWZ