

REVISIONS RECORD C

Terrestrial Planet Hotspots and Secular Whole-Mantle Shift

Executive Summary

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Draft 1.0 posted on 19 Dec 2012

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Draft 3.0 to 4.0 Changes:

1. Section 1 – In the last sentence, insert ‘that is’ before ‘possible’ for clarity.
2. Section 2 – In sentence two, insert ‘geocentric’ before ‘poles’ for specificity.
3. Section 3 – In sentence two, before ‘follow’ insert ‘approximately’ for accuracy. In sentence three, before ‘follow’ insert ‘closely’ for accuracy. In sentence four, move ‘filtering’ to just before ‘template’ for clarity. In sentence six, replace ‘hints at a celestial-mechanical cause.’ with ‘suggests celestial-mechanical forcing.’ for accuracy.
4. Section 5 – In sentence three, replace ‘shows’ with ‘yields’; ‘only’ with ‘gravitational attraction from’; and ‘from’ with ‘off’ for clarity. In sentence five, replace ‘seems’ with ‘appears’ for precision. In sentence eight, replace ‘pole path clearly shows’ with ‘pole path is clear and yields’ for precision. In the last sentence, replace ‘planet’s (or moon’s)’ with ‘differentiated, solid body’s’ for precision.
5. Section 8 – In sentence one, replace ‘is’ with ‘closely follows’; replace ‘calculated’ with ‘geocentric poles for planes that are determined’; and before ‘two’ insert ‘Earth’s center and’ all for accuracy.
6. Section 9 – In sentence one, after ‘considered’ insert ‘(graphs show only a partial path)’ for explanation. In sentence two, replace ‘mantle flows’ with ‘flows of mantle’ for clarity. In sentence three, after ‘lateral’ replace ‘mantle flows’ with ‘flows of mantle’ for clarity. In the second-to-last sentence, replace ‘affected’ with ‘reduced’ for specificity.
7. Section 10 – In sentence one, replace ‘the hotspot locations of’ with ‘hotspot pairs that determine’ for clarity.
8. Section 12 – In sentence one, before ‘follows’ insert ‘approximately’ for accuracy.
9. Section 13 – In sentence 2, replace ‘tidal’ with ‘gravitational’ for accuracy, and after ‘torques’ insert ‘(e.g. polar, body tidal, and ocean tidal)’ for more detail.

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