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# **New Indivisible Geoscience Paradigm**

#### J. Marvin Herndon

(Submitted on 11 Jul 2011)

Earth's interior, I posit, is like one of the rare, oxygen-starved "enstatite chondrite" meteorites (and unlike a more-oxidized "ordinary chondrite" as has been believed for seventy years). Laboratoryanalyzed enstatite-chondrite samples are comparable to having-in-hand impossibleto- gather deep-Earth samples. Enstatite-chondrite formation in oxygen-starved conditions caused oxygen-loving elements to occur, in part, as non-oxides in their iron-alloy. Observations, consistent with solar abundance and behavior of chemical elements, lead me to a new interpretation of: (1) Earth's early formation as a Jupiter-like gas-giant, (2) its decompressionpowered surface geology, (3) Earth's internal composition, and (4) a natural, planetocentric nuclear-fission reactor as source of both the geomagnetic field and energy channeled to surface "hot-spots". I present a unified vision of Earth formation and concomitant dynamics that explains in a logical and causally related way: (1) fluid Earth-core formation without wholeplanet melting, and (2) the myriad measurements and observations, previously attributed to "plate tectonics", but without necessitating mantle convection.

Subjects: **General Physics (physics.gen-ph)**; Geophysics (physics.geo-ph)

Cite as: arXiv:1107.2149 [physics.gen-ph]

(or arXiv:1107.2149v1 [physics.gen-ph] for this version)

#### **Submission history**

From: J. Marvin Herndon [view email] [v1] Mon, 11 Jul 2011 21:11:55 GMT (629kb)

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