Impact Hemispheric limb Boundary (IHBO)

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Comments: See Vol 1 Slide Show in Appendix.
Journal Reference: Paper 1 of Vol 1 of CD ebook ISBN 0-646-40916-6
at www.nodrift.com since 21 Dec 04

Abstract: This ebook's super huge impact (THESHI) near-simultaneity (3.1-8) and ubiquitous wave coarsening (4.9) imply that the perpendicular bisector of a proposed Arctic Ocean Deep Impact (AODI) Canada Basin-Caucasus Mountains impactor directional axis may define an Impact Hemispheric limb BOundary (IHBO) orthogonal to it, Fig 1, with the Caucasus Mountains on the Non-Impacted "Antipodal" Hemispheric side, Fig 2, macro-symmetries about it.

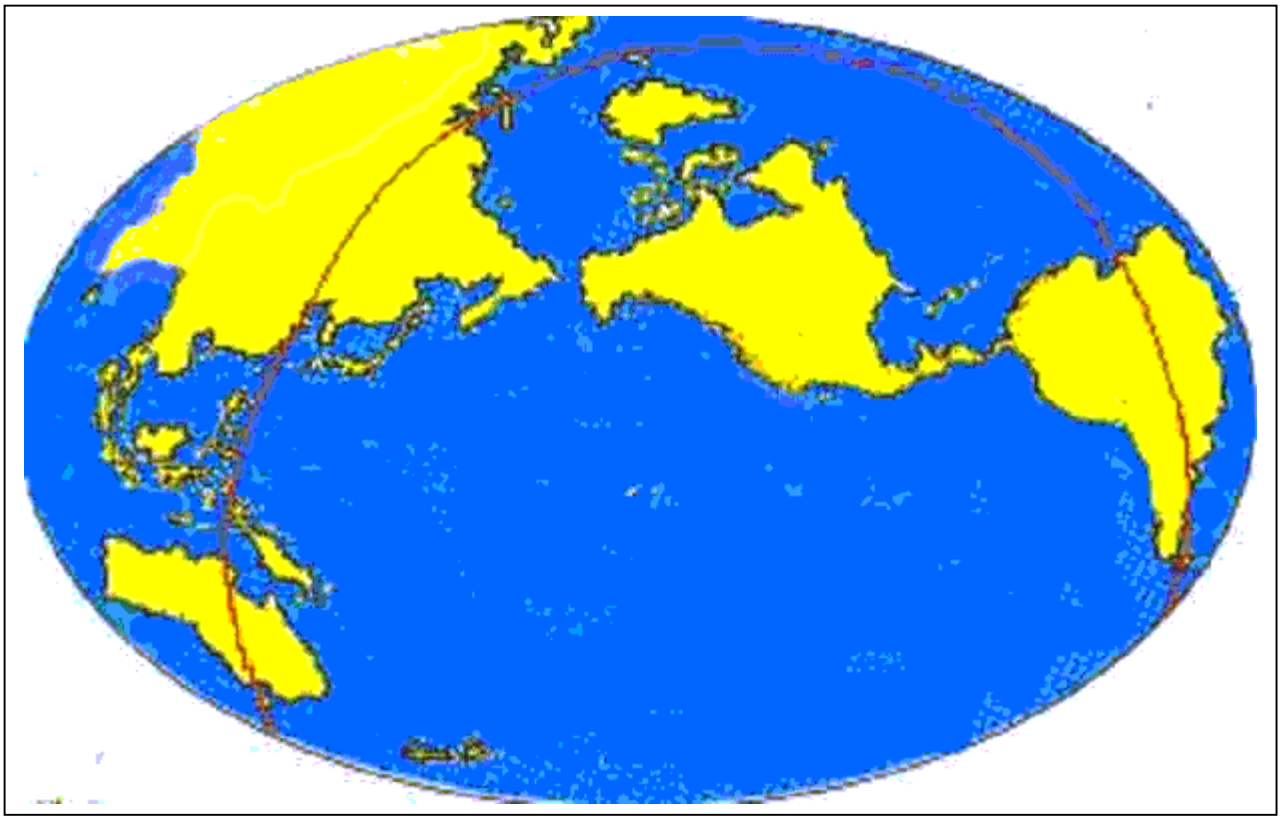

Fig 1. Impact Hemispheric limb BOundary (IHBO).

INTRODUCTION

This paper follows 3.1-8. Those papers in turn followed subsequent papers: 4.2-27, Vol 4.

IMPACT NEAR-SIMULTANEITY

Complete surface renewal of the Earth implicit in its octo-, hexadeci-chotomous (8-, 16-part) ocean-continent configuration (3.1), and two earlier ideas from 4.3 had an important, simplifying implication:

Compared to the rotation period of the Earth, this ebook's super huge impact (THESHI) fragments had impacted near-simultaneously.

The earlier ideas:

1. In 3.4, the Arctic Ocean Deep Impact (AODI) cavity is encompassed by the Antarctica Ghost Antarctica progenitor, corroborating the idea that an Arctic impact had created Antarctica as an antipodal conjugacy, 4.2.
2. An idea in 4.3, Fig 1 that the AODI Canada Basin head produced the Caucasus Mountains ahead of the Arctic impactor, the direction of which is indicated by the hyperbolic flare of the AODI cavity.

IMPACT HEMISPHERIC LIMB BOUNDARY (IHBO)

Under 0.001, THESIS, I explain:
"

COMETS
Comets are generally much more extensive than the Earth, at Earth. My "most likely extreme event", super huge cometary impact, can therefore generally be expected to span the entire Earth.

Even without such spanning, wave coarsening (4.9) can be expected to produce equivalent hemispheric dichotomies about emphatic global bisectional faultlines, $(½)^{1-N}$ rhythms, 4.3.

Largest scale, macro-symmetries so produced would generally be about IHBO as an axis, an idea corroborated by Vol 1's IHBO-symmetric macro-symmetries.

Subharmonic rhythms may be emphatic, as on Earth, where a fragmentary cometary nucleus has evidently produced broadly distributed, huge/super huge impacts, 4.3."

THESHI near-simultaneity, and ubiquitous wave coarsening (4.9) imply that the perpendicular bisector of Point 2's AODI Canada Basin-Caucasus Mountains axis defines an IHBO great circle.

This idea is confirmed by evidence of: Gross, general macro-symmetries about IHBO (1.021-3); THESHI Impact-energisation Resonant "Object" (PIRO) and Inverse Resonant "Image" (IRO) antipodal Ghost macro-symmetries about IHBO (1.031).

IHBO thus indicated connects the Philippine Trench to the far NE-facing coast of China, the middles of Lake Baikal & Novaya Zemlya, the E tip of Iceland, the Mid-(North) Atlantic Ridge.

The Impact Hemisphere encompasses NE Asia, North America, and Arctic and Pacific Oceans. The Caucasus Mountains are well within the Non-Impacted "Antipodal" Hemisphere. 0.001 SERMS:
"

PLANETARY RHYTHMS
Earth, Mars, Venus planetary rhythms/hemispheric dichotomies are thus explained:

Shock waves emanating from sufficiently energetic super huge impacts on small rocky planets generally rapidly coarsen to planetary, ¼-wave mantle resonance scale, 4.9.

Wave coarsening can be expected to produce hemi-, quattro-, octo- hexadeci-chotomies, depending on impactor multiplicities, spacings, 4.3.

Serm cluster-encompassing serms have evidently attained such order of magnitude: 4.3, 4.8 MANTLE RESONANCE, Planetary Rhythms.

These early ideas have been confirmed by Vols v-x's IHBO-consistent flared antipodal conjugacies, global bisectional faultlines."

ORIGINAL IDEA-PERCEPTION

Hemispherically dispersed THESHI near-simultaneity, IHBO and so on, corroborated in Vols v-y), 0, 1, were originally indicated by woolly indicators:

- Ocean-continent rhythms, 4.3, Freeze Effect ideas, 3.1-3.
- Opposing serm energisation directional indicators, what I call polarisation morphologies, across a proto-IHBO.
- Mountain and waterline indications of spirality-symmetry-sense hemispheric opposition across proto-IHBO: mostly anti-clockwise in the Impact Hemisphere, mostly clockwise beyond it.

- IHBO-regional serm cluster morphologies' consistency with, sub- , near- horizontality of virtual/real THESHI limb impactors, IHBO great circle linearity.

POLARISATION MORPHOLOGIES

These are explained under 60° Arcs, Arc, Sector Pointers, in 4.17-18.

Serm cluster morphologies on either side of the IHBO limb indicated by the AODI-Caucasus bisector are consistent with being respectively Impacted / Non-Impacted:

- Iceland opposes Faroe Islands; Svalbard and Greenland oppose Scandinavia; N end of Novaya Zemlya opposes its S end.
- The mouth of Gulf of Ob, Lake Baikal, China's Yellow Sea coast, are similarly morphologically consistent with having originated at the limb boundary.

SUB-HORIZONTALITY

An important implication of the above scenario is that the Earth's serm cluster morphology throughout a Non-Impacted "Antipodal" Hemisphere, has been THESHI energised from underneath.

For convenience, I call these radiations parallel to the AODI-Caucusus axis: "sub-horizontal" radiations. It does not matter that they would have been curved, as I explain in the next paper.

SE Asian, European "Antipodal" Hemispheric morphologies may owe much of their "plutonism", of geological orthodoxy, to this sub-horizontal, antipodal impact-energisation.

SPIRALITY

Spirality was originally a prop, a bridging idea-perception, between serm, symmetry ideas (Vols 4, y, 0), which I never got round to measuring.

Spirality seemed at the time like a side issue and, working alone, I had to stay on the main line. I came back to it here when successor macro-symmetries helped delineate IHBO.

I had originally gotten the impression that "spiralities" [and proto-symmetries] may be hemispherically opposed. So I did a cursory global survey, end section.

By the time I had finished, I had roughly delineated IHBO as a macro-symmetry axis. Spirality was thus originally marginalized.

Spirality thus helped connect, at a critical time, complementary idea-observations: Serms; Symmetries; Super huge impact shock wave phenomena.

SW Tasmanian spiralized mountains and Mars polar spirality had nevertheless already convinced me that serm spirality was real, more than a prop. PIRO-IRO (3.1) seemed spiralized also. . . .

A perceived "spirality-sense hemispheric opposition across IHBO" thus evolved into separate notions:

1. Serm spirality and
2. IHBO as a major axis of macro-symmetries, as in this Vol 1.

SPIRAL ULVZS

THESHI shock wave energies passing through the CMB waveguide, 4.2, were great enough to have produced IRO antipodes to PIRO ghosts globally, magma seas/ULVZs also (fracture-melt), 4.3.

Shock wave reflections at crustal surfaces and CMB discontinuities would have produced large ULVZs at the CMB and elsewhere, large sub- and super-crustal magma seas at LIPs, and so on.

Mantle serm energy densities would be maximal at the CMB end because of minimal serm cross-sections at the CMB, multiple etalon resonances implied by serm fringe finesse, 4.8, Finesse.

Coriolis forces would have spiralized mantle magma flows, in: ULVZs, mantle magma rivers, bays, seas, and so on occupying cracks and cavities produced by impact in a mostly solid mantle.

WILD IDEA: Semi-liquid ULVZs at the base of a solid mantle would have had low mechanical strength, making them vulnerable to erosion by rotational core currents deriving from impact-generated shock waves.

Powerful core currents and surface waves at the CMB may have been strong and extensive enough to have spiralled fragile ULVZ cavities into permanently spiralled forms.

Similar "coastal blowhole" processes may have happened beyond the CMB also, and such spiral-shaped ULVZs, magma seas and so on would have injected spirality into the global interference pattern.

Such ULVZ/magma sea spiralities may have produced some serm spiralities post-inscriptionally, via magmatisation and Freeze Effect, 3.3.

SPIRALITY GENESIS

Serm symmetries and other fringes and shock wave signals are acoustic waves in the mantle medium. These would have been multiscale, Coriolis rotational via the interference pattern medium.

Serm, serm cluster spiralities, such as the spiralities of this ebook's PIRO-IRO, PIRO-IRO Ghosts, thus obviously derive from spiralled irregularities comprising the "diffraction grating" medium.

Serm symmetry shock wave signals may have been rotated incrementally at multiple resonances implied by serm fringe finesse, 4.8, FINESSE.

This explanation of spirality implied that small-scale spiralities, of 10 kd mountains and so on, ultimately have mantle serm spirality genesis. This idea too remained dormant until Vol y)'s y.02.

While I was thus convinced that serm spirality was real, it nevertheless continued to be a side issue until corroborative Vol y), y.02, MACROS:

"A "macro" phenomenon reveals how the tectonogenetic mechanism works . . . :

Serm-concentric rotations through multidirectional symmetries reveal a tendency of most emphatic, long lineal morphologies, fjords, coastlines, continental shelf edges and so on, to be locussed by inverse potentials of the same most emphatic subset, globally, consistent with having been so composed, hierarchically, during the "2-week" inscription phase as rotational loci: "macros"."

Common, inscription-phase serm genesis of Spirality and macros, via the mechanism proposed here, is clearly indicated.

SPIRAL SERMS

Continental spirality is manifest overall as a curved North American megaphone, spiral Antarctica, India. Medium and small scale spirality is most emphatically manifest as spiral peninsulas.

Note that EurAsia spirality is complex, consistent with predominant Pacific and Arctic Ocean Freeze Effects on either side of Asia, and opposing spiralities on either side of its IHBO divide.

Medium scale spirality is emphasised by height contour simplifications of maps, especially waterlines. Spirality may have been genetically emphasised by oceanic Freeze, Foraze Effects, y.02-4.

In continental cases, serm spirality is most evident in mountains. However, its sense is hard to tell because of small scale unevenness of continental Freeze Effect and erosion.

The British Isles seem to manifest an overall clockwise spirality, evident in the central mountains to the East of North and Saint Georges Channels and the Irish Sea.

Similarly, an anti-clockwise spirality of East Siberia is evident in its extensive mountain ranges . . . . I needed to get away from continental Freeze Effect irregularity problems.

I thus oncentrated my search on oceanic waterline manifestations, as the nearest thing to "a level playing field". The results of a global survey of multi-scale spiralities are below.

Medium scale spirality is thus manifest globally as spiral coastal island arcs (such as Japan), spiral peninsulas of coastal Asia, Aleutian peninsula, the "thick neck" of the Antarctic Peninsula, and so on.

I noted in an earlier paper, that the clockwise spirality of the Trans-Antarctic Mountains (TAM) corresponds to an anti-clockwise spirality in its Mendeleyev Ridge ½ antipodal conjugacy.

3.4 shows similar, similarly placed spiralities within a similarly hyperbolic, putative North Atlantic Ocean impact cavity. At least one paper has been written about Martian polar spirality.

MARS

I have proposed (4.2) that Mars's famous "hemispheric dichotomy" has been produced by surface and impact-released water sufficient to Freeze Effect-ively depress the impacted hemisphere.

This contrasts with the 1 ½ hemispheres Freeze Effect-ed on Earth. The Mars impactor was most likely more vertical and localised than the obviously widely distributed Earth impactor also.

This would have produced a more circular impact serm cluster and antipodal conjugacy, producing more circular ULVZ complexes at CMB ends.

Before spin re-adjustment sent these ULVZ complexes and their mantle etalons to the spin poles, they would have been nearer Mars's equator, where they would have developed cyclonic forms.

These would have been transmitted to serm surfaces as explained above for Earth spiralities. Spiral forms dominate the centres of the Martian 2,000 kd polar structures, particularly at the S pole.

The unremarkable size of the Martian polar serms compared to their encompassing hemispheric dichotomy is consistent with undistributed impact.

IHBO CONFIRMATION

The above remarks are corroborated in subsequent papers, and by Vols 0, y) discoveries, y.01.

Note that confirmation of IHBO great circle linearity confirms the scenario/ideas we started with: Earth-spanning fragmented THESHI impactor near simultaneity, the overall thesis and so on.

SPIRALITY SURVEY

Coriolis force is subject to noise at small scale, because it diminishes with scale.

So small scale spirality should be more uneven, while medium to large scale spirality should be more consistent. This is indeed what one observes. One should thus observe as coarsely as possible.

Spiralities seemed to be hemispherically opposed, consistent with serm symmetry genesis, IHBO-axial macro-symmetries of serms, antipodal conjugacies.

The aim of this exercise was only to delineate IHBO in a rough sort of way. IHBO is defined more precisely in another way in the next paper.

Mountain range, mountain peak spiralities are uniformly clockwise/anti-clockwise, consistent with above explanation. Most Impact Hemispheric spiralities may be anti-clockwise, Antipodal Hemispheric spiralities clockwise.

Impact Hemispheric spiralities: North American megaphone, Greenland, Iceland, Sakhalin, the islands of Japan and Arctic Canada, the Korean, Liaodong, Shandon and Aleutian peninsulas, and so on.

Antipodal Hemispheric spiralities: European, Scandinavian, Greek, Arabian, Indian, Malayan and Liuchow peninsulas, Antarctica, and the islands of Taiwan, Luzon, Mindanao, Sri Lanka, Cypress, Crete, Sicily.

Overall IRO form and internal detail, Antarctica from Little America, South America at Cape Horn, the Antarctic Peninsula. Antarctica's spirality is consistently clockwise, emanating through King Edward VII Land from Little America.

Consistent with the low viscosity of melted quartzite, the spiral sense of the many spiral peaks (such as Mount Orion) and larger spiralities of the SW Tasmanian, central, quartzite region of the Tasmania serm, are consistently clockwise: Federation Peak, nearby Spiro Range and Mount Anne.

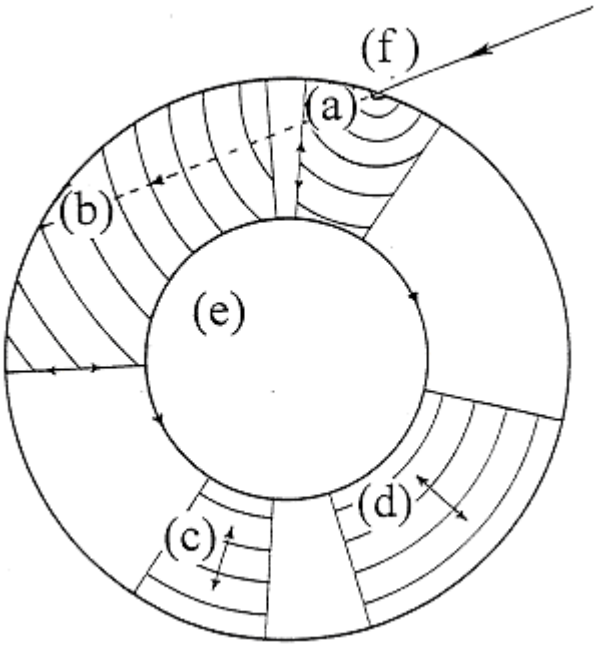

Fig 2: Planetary Antipodal Conjugacies.

a), b), c), d) show pairs of mantle serm antipodal conjugacies. A general, sloping impact case is shown: c) is the antipodal conjugacy to directly energised etalon a). d) is the antipodal conjugacy to indirectly energised etalon b). Arrows show energy flows. e) is the planetary core. f) is a hugely energetic impact trajectory and cavity. Note energy flow along the core-mantle boundary.

The **Impact Hemisphere** of the next few papers corresponds to the impacted side of IHBO.

The **Antipodal Hemisphere** of the next few papers corresponds to the non-impacted side of IHBO.