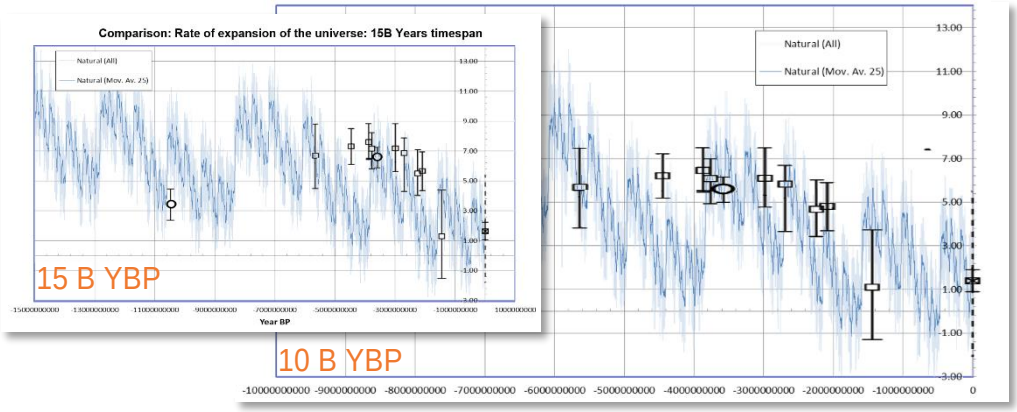
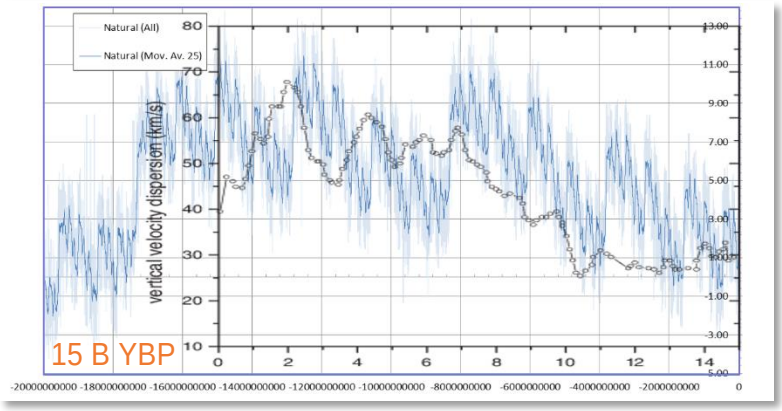
A predictive universal model of natural variability.

BILLIONS OF YEARS COMPARISON VIEWS

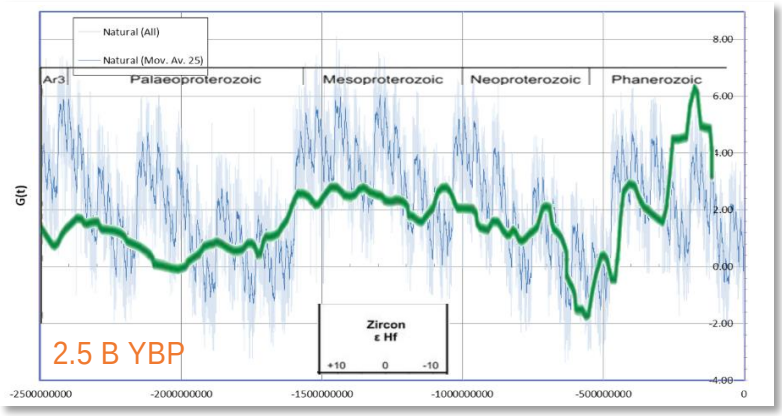
Universe expansion rate (via galaxy clusters) over 10 B years:



Chemical enrichment and star formation in the Milky Way disk – cloud gas phase velocity dispersion over 15 B years:



Hafnium (Hf) isotope ratios in Zircons reflecting Earth's supercontinent extents over 2 ½ B years



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P 2.1 Extras

FURTHER VIEWS FROM THE INFERZ CATALOGUE OF PROXIES & ANALOGUES

Over 200 analogues and proxies of astronomical, geological, archeological and historical scope have been collated and correlated to the 'D-N' equation.

Given the vastness and breadth of this model of natural processes, with the intricate and complex scope of its interdependencies, the descriptive power of the model is remarkable.

The astronomical view presents proxy/D-N comparisons from 15 billion years to 1 billion years ago.

PREDICTION & SPECULAIONS

Get in touch to discuss the evidence and consequences

To receive more content related to this thought piece – Please email:

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Web: http://www.inferz.com
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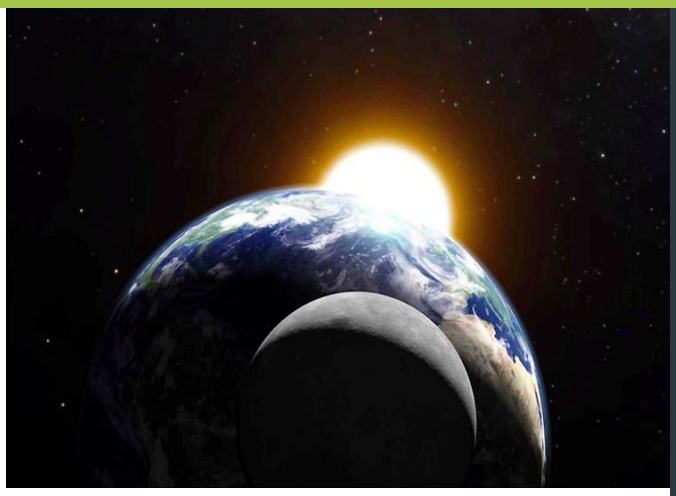

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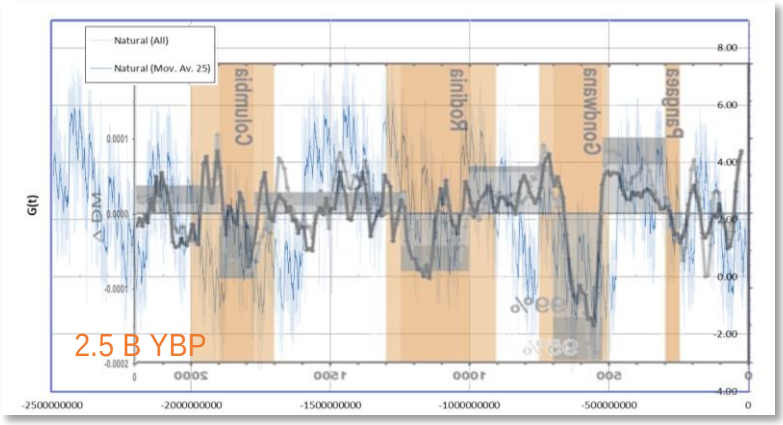
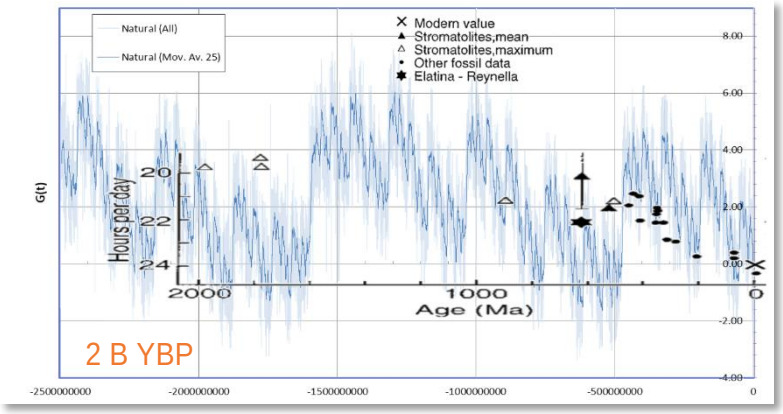
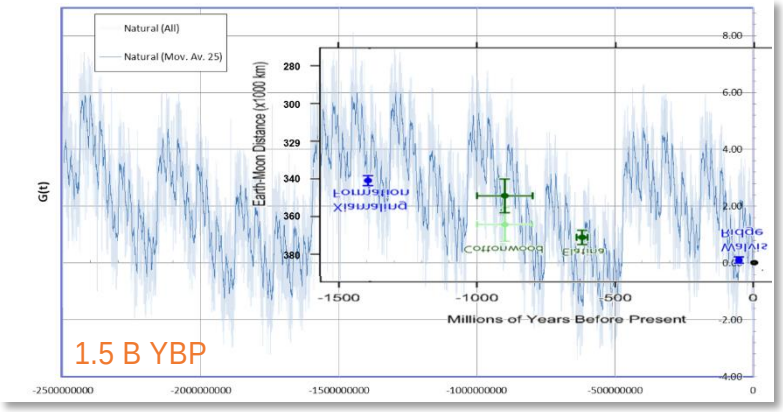


The Earth's and moon's rotation rate (Hrs/day) via fossil growth rings over 2 B years:



Earth-moon distance: Milankovitch cycles into the deepest stretches of Earth history, over 1 ½ B years:



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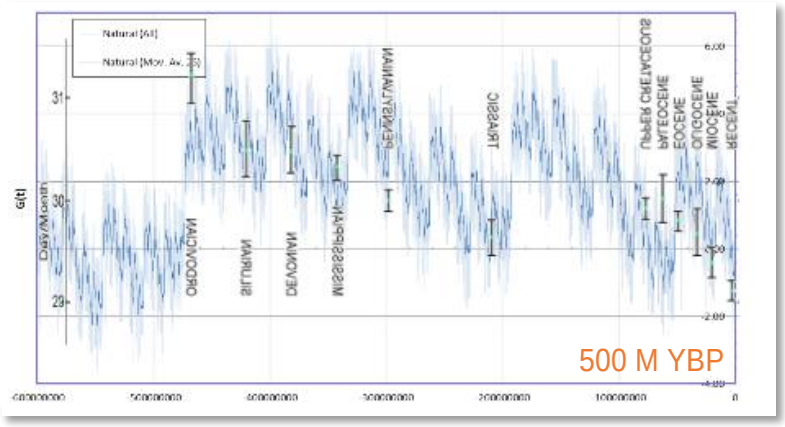
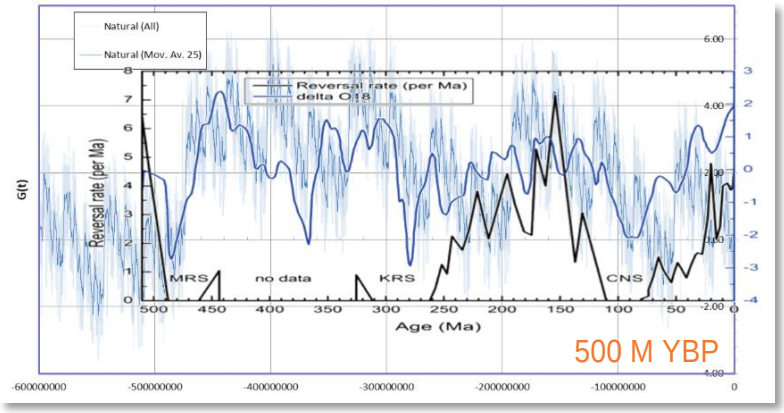
MILLIONS OF YEARS COMPARISON VIEWS

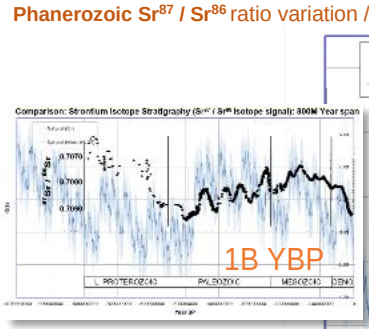
Variations in the number of days per lunar month during geologic time via Bivalve rings over 500 M years:

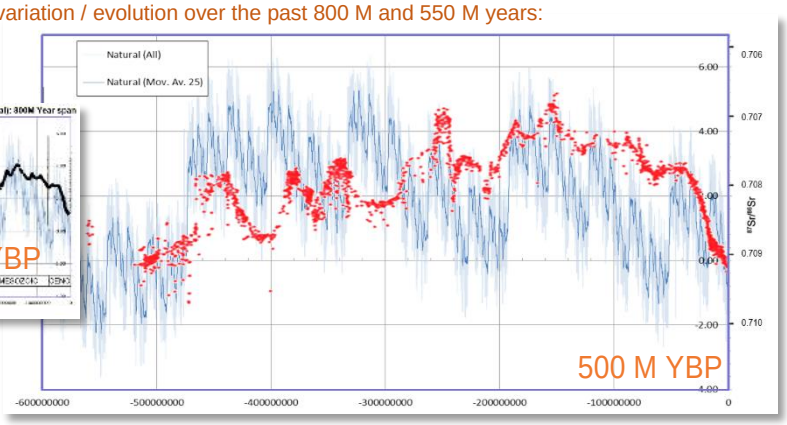


Geomagnetic field reversal rates and O^{18} variation over the past 510 M years:



Phanerozoic Sr^{87} / Sr^{86} ratio variation / evolution over the past 800 M and 550 M years:





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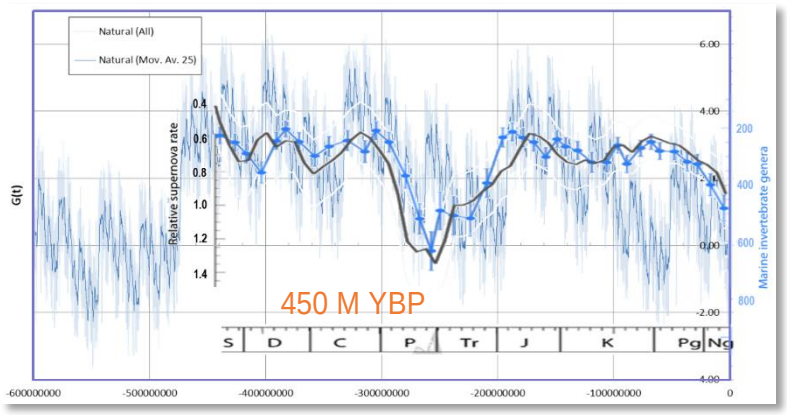
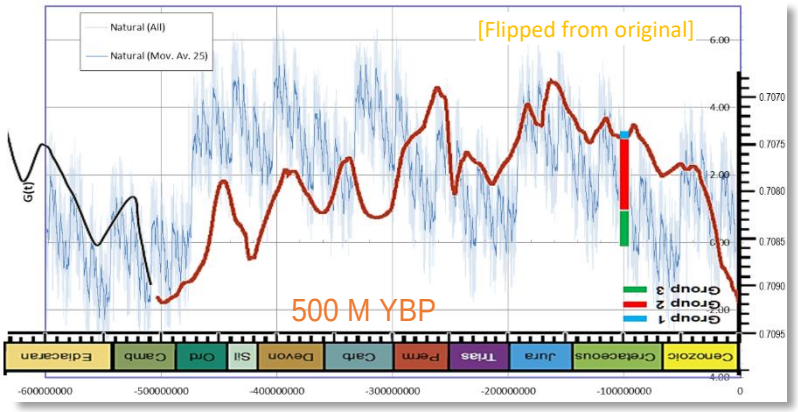
MILLIONS OF YEARS COMPARISON VIEWS

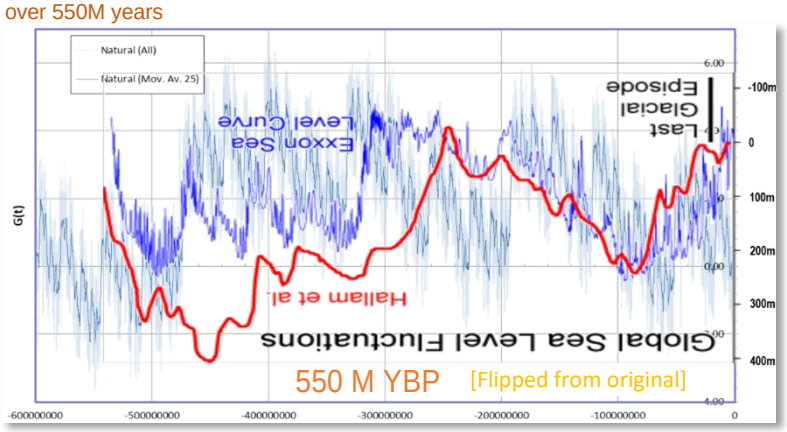
Relative supernova rates & Marine Genera rates over 450 M years



Phanerozoic Sr^{87} / Sr^{86} ratio variation / evolution over the 600 M years:



Global sea-level changes (m) over 550M years



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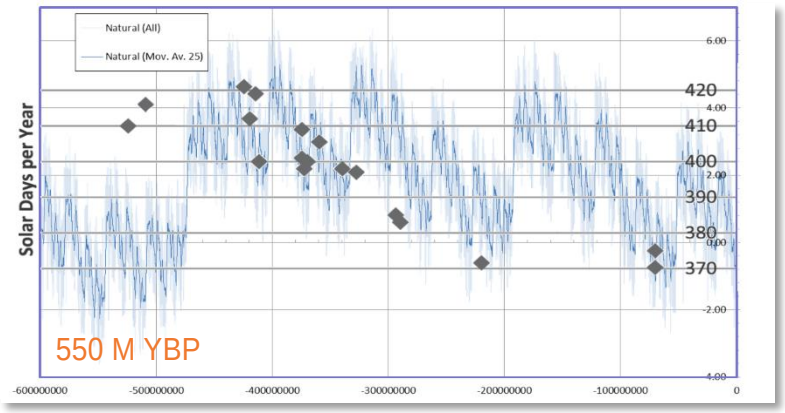
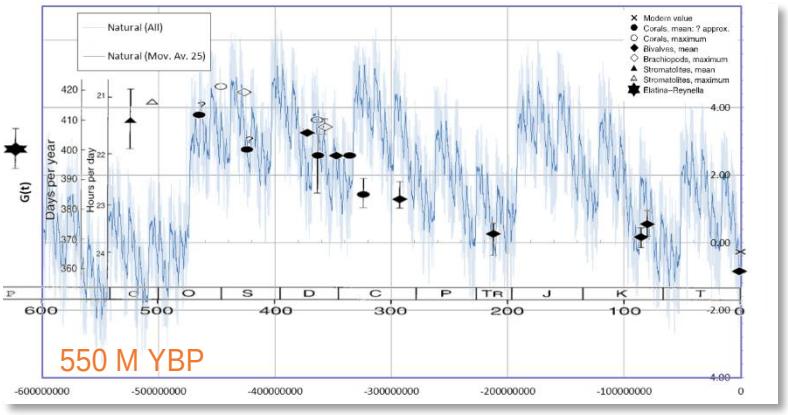
MILLIONS OF YEARS COMPARISON VIEWS

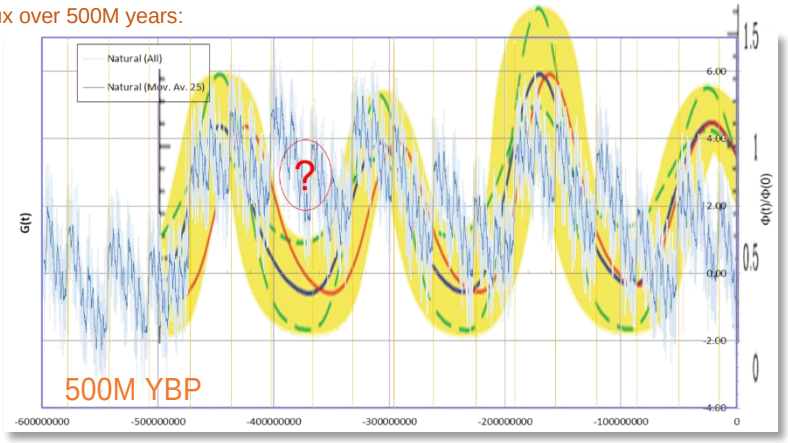
Earth's rotational deceleration through tidal friction via fossil rings over 600 M years:



Geological history of Earth's rotation (days/year) and the moon's orbit (hrs/day) via growth rings over 600 M years:



Phanerozoic Cosmic Ray Flux over 500M years:



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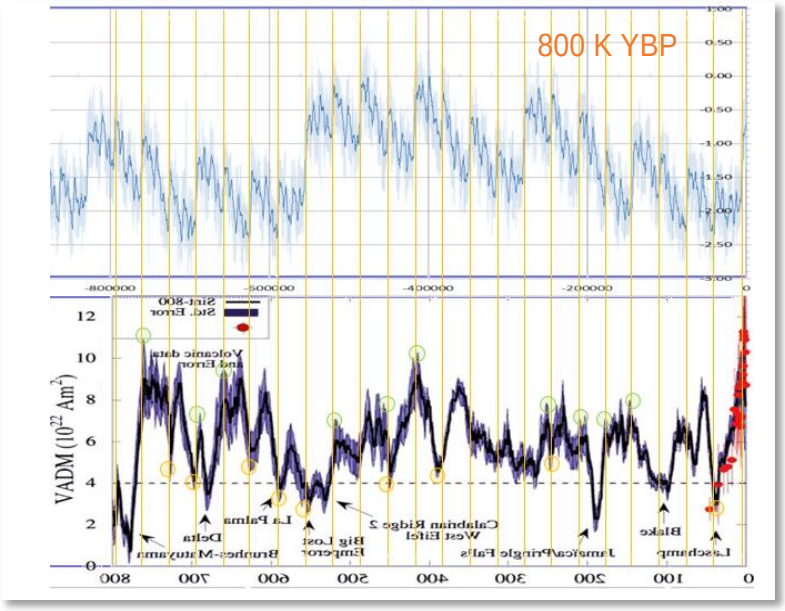
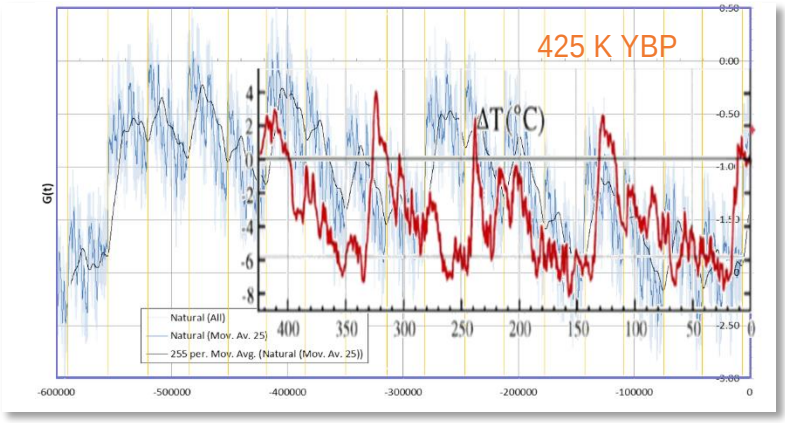
MILLENNIA

COMPARISON VIEWS

Variations in geomagnetic field in western US since last reversal over 800 k years:



Vostock Ice Core Data: Variation δTemperature ^{o}C (calculated) over 425 k years:



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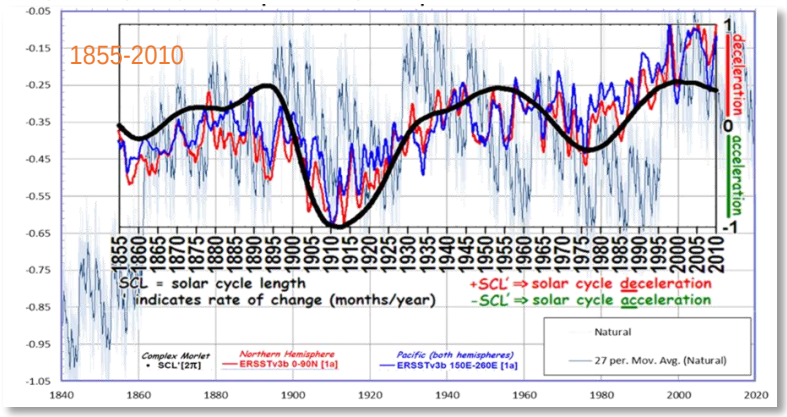
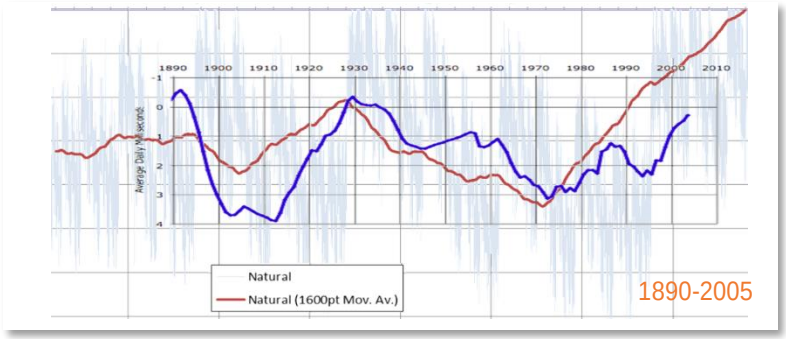
COMPARISON VIEWS FOR **RECENT** TIMES

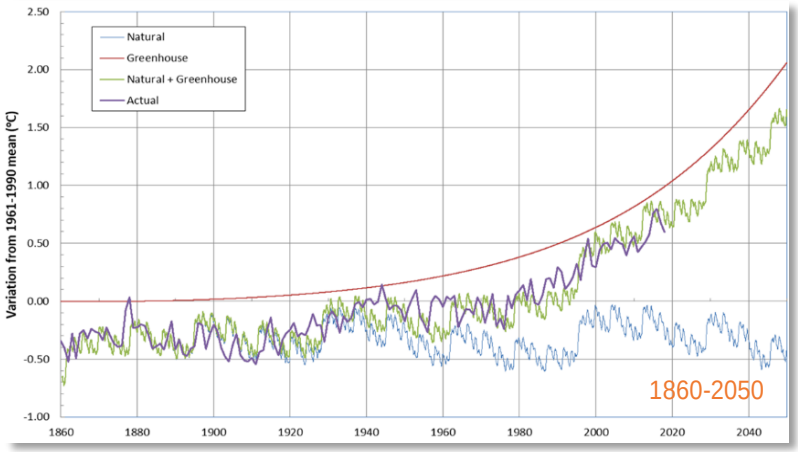
Recent solar cycle length data (mnth/year) and lunar complex distance variation for 1855 to 2010



Variation in length of day (blue) for 1890-2005



The Denness-Nunn climate prediction: Separating out Natural and Human greenhouse components for 1860 to 2050: Also showing the observed (actual) global temperatures as variation from (1961-1990) mean.



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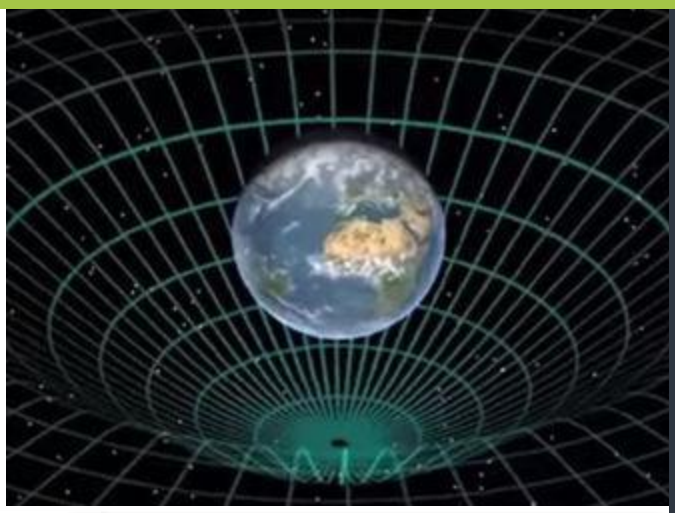
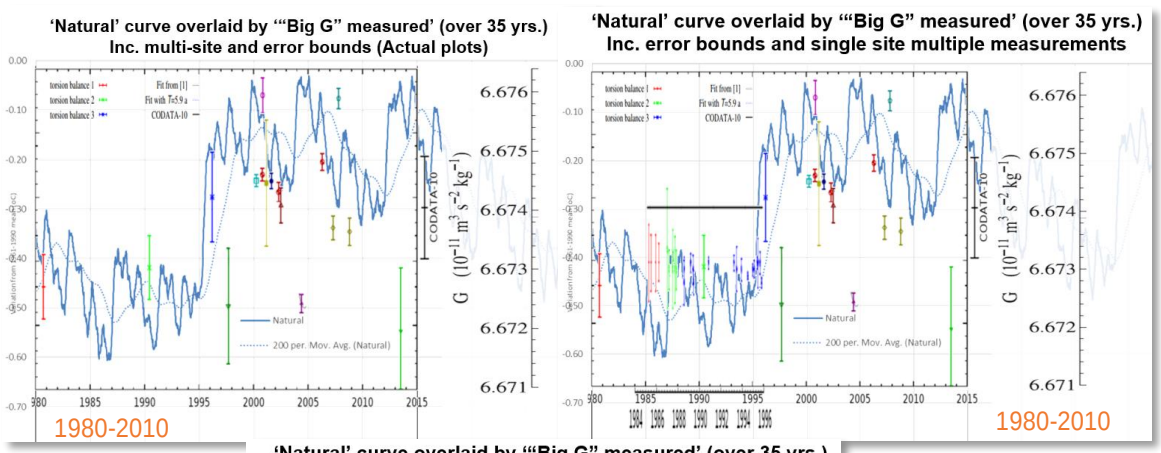
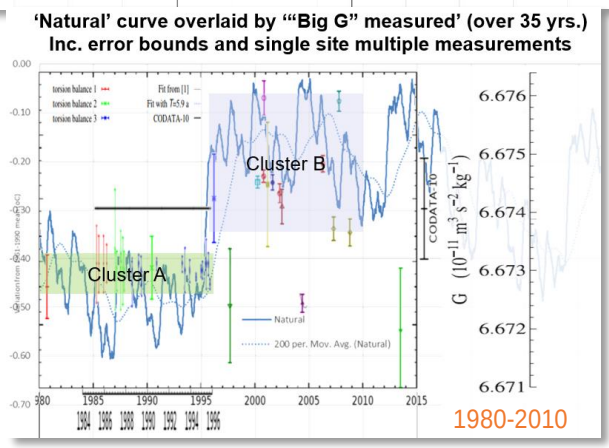
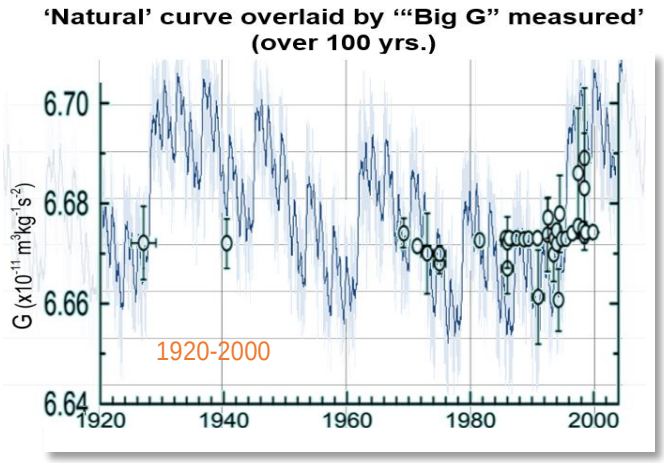
GRAVITY COMPARISON VIEWS

Big ‘G’ Measurements:









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The gravity variation will be the topic of a future publication in this issue. However as a summary, here are a few correlation graphs.

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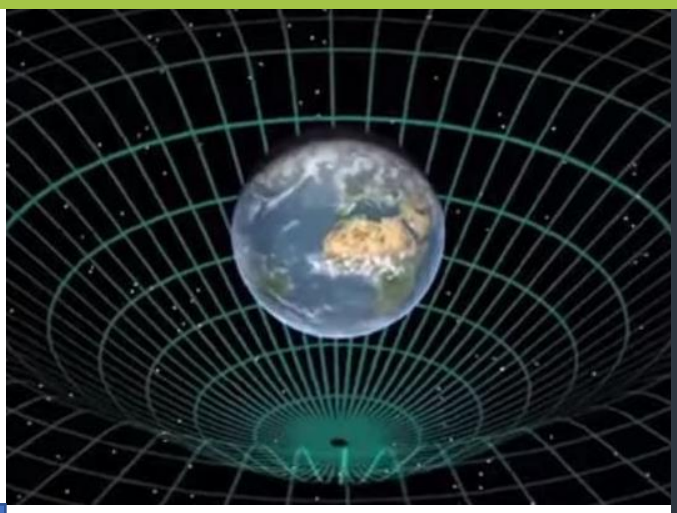
GRAVITY
COMPARISON VIEWS

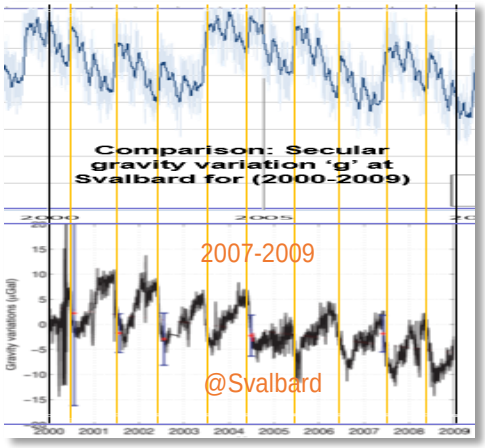
Secular ‘g’
Measurements

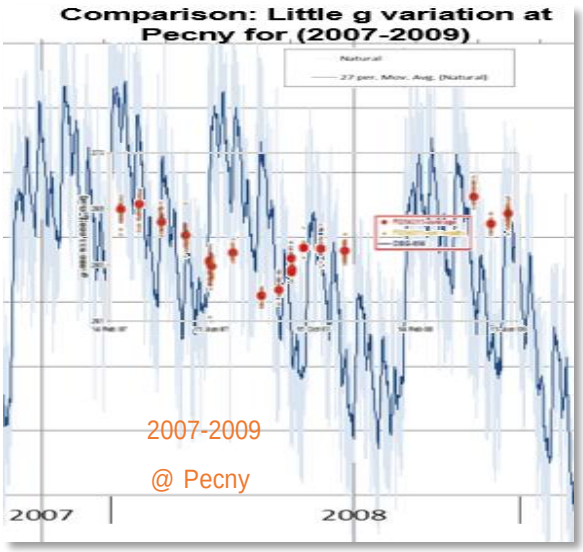


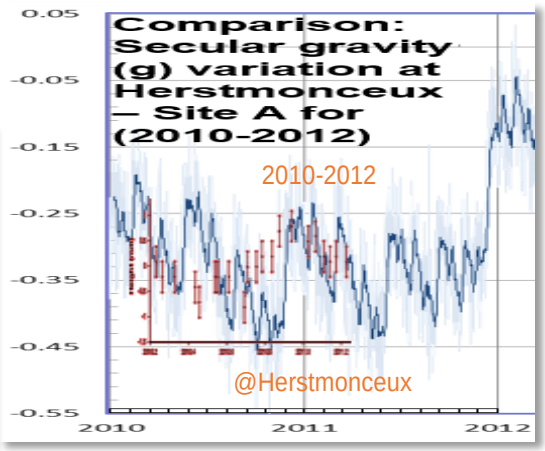
Variations in secular gravity (little ‘g’) at a place over a period of time (years) have a strong correlation with the D-N model.

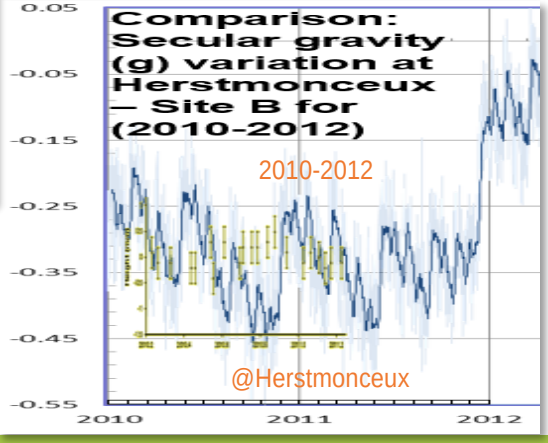
There are many causes for the variation in local gravity (e.g. height, latitude, tides, geology, hydrography, etc.) Many of these are held invariant by measuring ‘g’ at a single place over time. Such geodetic measurements are presented here.

Our conjecture is that another component to the variation of ‘g’ is the variation inherent in ‘big G’. Although masked by other dominant effects, in otherwise gravitationally stable regimes this variation can be observed in the geodetic signals.









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