

## ***Interactive comment on “Ice melt, sea level rise and superstorms: evidence from paleoclimate data, climate modeling, and modern observations that 2 °C global warming is highly dangerous” by J. Hansen et al.***

**T. Banton**

tonyb@balsall.fsnet.co.uk

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N. Swedan: "No back-radiation exists, no greenhouse gas effect exists, and they are simply fiction"

OK, then I look forward to you receiving your Nobel prize for services to physics.

Oh, before then though would you mind explaining why the ave temp of Earth is +15C and not -18C. A simple calculation of BB temp derived from the Sun's coronal temp

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and the inverse square law on the rotating Earth's Sun facing hemisphere surface will get you there.

Since you deny that there is a GHE - that must mean that all solar radiation that warms the Earth is free to leave unhindered, correct? After all, without it there is no "insulation" effect.

So let us travel to somewhere that is the same distance from the Sun as Earth but has no GHE. The Moon. While the Moon's surface reaches +130C in direct sunlight at the equator, when the Sun 'goes down' on the moon, the temperature drops almost immediately, and plunges in several hours down to -110C.

And no, it's not because of the Earth's other atmospheric gases, for they are transparent to IR energy. Nor is it sensible heating as the atmosphere would still rapidly cool to space. Nor either the "pressure" of the atmosphere as it's already compressed and isn't being constantly re-compressed.

Disputing that the greenhouse effect is real is to attempt to discredit centuries of science, laws of physics and direct observation. Without the greenhouse effect, we would not even be here to argue about it.

You may hand-wave as much as you like and will no doubt have the last word here .... but sorry this is science and no-one is interested in anti-science except those who have a confirmation bias for whatever reason.

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