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Comment

# ***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.***

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Please stop your nonsense.

Swedan: "Clearly back radiation is an energy (or heat) that measures temperature of the cold object. It is heat with respect to the zero absolute but COLD, in respect to the zero absolute but COLD, in a practical terms, with respect to the hot object. In practical terms, Backradiation is radiation of the the cold."

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Back-radiation is NOT radiation of the cold, it is radiation from the heat of the object. Heat is heat regardless of the temperature. Stating that back-radiation is radiation of the cold is nonsensical and meaningless in scientific terms.

Swedan: "You cannot say cold can never be transported but it can be radiated. You should be consistent. Cold cannot be exchanged in any form. Therefore, Backradiation cannot exist."

I never said cold can be radiated. Heat is radiated from any object with a temperature above absolute zero. This is basic physics. There are many good textbooks covering this subject. Please go study one and stop abusing this review process.

Swedan: "You cited publications that measured backradiation. Are we sure that they were really measuring from the atmosphere and not from the surroundings or the instruments themselves? Please check the procedure."

These and other publications measuring the same passed the peer review process. If you have information that would call these studies into question, please have that information published in a peer review journal.

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Interactive comment on Atmos. Chem. Phys. Discuss., 15, 20059, 2015.

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