

Interactive
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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“In the first place then: an object at a T higher than zero Kelvin emits photons. Show us how that object should know that there is another object around that has a higher temperature?”

Secondly: go to the blog of Roy Spencer titled "Help! Back Radiation has Invaded my Backyard!" And, in the last words of this most famous denier on back-radiation, at another blog-page: "put up or shut-up".”

C6298

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The first question is addressed under Short Comment C5334. Things are not sentient, yet they abide by the laws of nature. Solar radiation flows from higher temperature to lower temperature. I am not quite sure that at such a low temperature of the atmosphere one can assert the existence of photons (visible spectrum). I believe that it is more appropriate to use infrared radiation instead.

For the second. I participated in discussions of these posts at Roy Spencer's Blog. You may review my comments if you wish. Infrared astronomers do not detect infrared radiation (backradiation) from the atmosphere because it does not exist, this is reality not theory.

Backradiation (infrared radiation) from cold object to warm object implies radiation of cold, and the cold cannot be radiated. These are basic and primitive laws of nature. Radiators of cold are so attractive commercially, yet none exist on the market because they cannot exist for backradiation cannot exist. Conversely, radiators of heat are readily available.

If air conditioner fan breaks down, room temperature increases because the colder coil of the air conditioner cannot radiate the cold to the warmer room. This implies that based on our practical and basic experience infrared radiation from cold objects to warm objects (or back-radiation) does not exist. Only by turning the fan and expenditure of external energy will the cold be transported, by convection and not radiation, from the colder coil to the warmer room.

P.S.

Referee's Comment, C6089, will be respected. Further comments relative to this thread are most welcome and can be addressed to me at nabilswedan@yahoo.com.

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

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