

Interactive
Comment

Interactive comment on “A spurious jump in the satellite record: is Antarctic sea ice really expanding?” by I. Eisenman et al.

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I agree that you have made a compelling case for a discontinuity across the December 1991 sensor transition. But I disagree that there is reason to suggest "the actual Antarctic sea ice cover may not be expanding at all."

If I take all the monthly data, then subtract $2E5 \text{ km}^2$ from the Dec. 1991 to the present time span (an even larger adjustment than the $1.5E5 \text{ km}^2$ suggested by the authors), the overall linear trend is still statistically significant, even applying a correction for autocorrelation.

It seems to me that it is not unlikely the real trend is much less than believed at present, but even after adjustment the upward trend is still robust.

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Interactive comment on The Cryosphere Discuss., 8, 273, 2014.

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8, C3–C4, 2014

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