

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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This paper highlights an important undocumented discontinuity, and the resulting calls for transparency in reporting are well made.

Given that the impact of the change in algorithm appears to be a constant offset at an instrumental change in 1992, it would be possible to estimate the effect of the discontinuity on trends to the present under the assumption that the offset remains constant to the present. i.e. Correct the v2 data to match v1 by applying an offset pre 1992 and calculate the resulting trends. While the resulting trend will clearly be reduced in magnitude in comparison to v2, it may be that the trend is still statistically significant.

The addition of this result would be helpful in evaluating the potential impact of the

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potential bias on existing work on Antarctic sea ice growth.

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

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