

## ***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 contains solid and important science and I congratulate the authors on their vigilance. It is certainly important to know that the uncertainties in the ice area/extent timeseries might be larger than thought (depending upon how this finding is addressed by the author of the timeseries in question).

However, doesn't Figure S5 in the supplementary material show that whatever the source of the Bootstrap issue, there is no doubt that Antarctic sea ice is increasing in both area and extent? The trends appear significant whichever of the three time series one chooses. Even if one discards Bootstrap altogether on the basis of this paper, the NASA Team series clearly shows significant increases. These two facts imply that the title of this paper is misleading, and so is much of the discussion and abstract. The

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clearly significant increases in all 3 datasets are not accurately reflected by the paper text, abstract, or title.

With the eyes of the climate change lobbies (on both sides) watching this debate, it is very important that papers' titles, abstract, and conclusions accurately convey the facts. Very few journalists will check the content of the paper before reporting its title, and no-one should be expected to examine the supplementary figures of a paper.

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

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