

Interactive comment on “A simple approach to providing a more consistent Arctic sea ice extent timeseries from the 1950s to present” by W. N. Meier et al.

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Received and published: 14 October 2012

Thank you for the constructive comments. We have added text in several sections to address the comments. We feel these changes improve the paper and address the reviewers concerns.

1. The variance is provided only to provide a rough confidence level in the performance of the offset adjustment. The variance is not used in the adjustment. We've added a couple sentences at the end of the first paragraph of Section 4.1 to clarify this.
2. We added a sentence in Section 2.3 to state that the Walsh products were derived from varying datasets of varying quality and completeness. We also added a couple
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sentences at the end of Section 4.2, mentioning the behavior of the 1953-1956 years and noting that these years are from the DMI yearbooks.

3. We added a sentence to Section 3, noting that an alternative approach would be to adjust the PM estimates up to Hadley. We also added several sentences of discussion in the Summary section to note the issue of underestimation of PM data and the possible overestimation by the ice charts.

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/6/C1876/2012/tcd-6-C1876-2012-supplement.pdf>

Interactive comment on The Cryosphere Discuss., 6, 2827, 2012.