

***Interactive comment on “New estimates of Arctic and Antarctic sea ice extent during September 1964 from recovered Nimbus I satellite imagery” by W. N. Meier et al.***

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We thank Dr. Notz for his useful comments. Our responses are below:

Page 36: The Predoehl paper is now explicitly referenced at the end of the Introduction.

Page 39: More information on the resolution, coverage, range of the Nimbus I images has been added to the 3rd paragraph of Section 2.

Page 39, Line 14: reference to Martinson added and 1973 mentioned.

Page 40, Line 6: This is a limit of the camera and recording equipment. The text has been rephrased to be clearer.

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Page 41, Line 12: Text has been added to clarify the meaning of “good representation”.

Page 42: There are no good Antarctic total sea ice extent estimates before ~1972 due to lack of imagery. The Hadley estimates before 1972 are largely climatology, so do not in our view provide a useful comparison.

Page 42, Line 3: Text has been added to better indicate that our assessment is based on the 1964 snapshot.

Page 43, Line 8: We did not add the Hadley estimate to Figure 6 to avoid clutter in the figure. However, we did add mention of the adjusted Hadley extent (based on Meier et al., 2012).

Technical corrections: All technical corrections have been made.

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Interactive comment on The Cryosphere Discuss., 7, 35, 2013.