

***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 \sim 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.

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