

Interactive comment on “Greenland ice sheet albedo feedback: thermodynamics and atmospheric drivers” by J. E. Box et al.

J. E. Box et al.

jbox.greenland@gmail.com

Received and published: 24 June 2012

The only major modification to the Appendix was adding Figure A4 that illustrates a lower albedo sensitivity with MODIS-derived land surface temperature (LST). Appendix Figure A2 shows a higher albedo sensitivity. It was for this reason and new physical arguments given in the main paper why we don't use LST to quantify the anomaly-space second order albedo sensitivity to temperature. We keep on using all-sky near surface air temperature, which is more sensitive to positive surface thermal perturbations than is LST.

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/6/C864/2012/tcd-6-C864-2012-supplement.pdf>

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



Interactive comment on The Cryosphere Discuss., 6, 593, 2012.

TCD

6, C864–C865, 2012

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C865

