

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

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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>

C864

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