

***Interactive comment on “Barents Sea heat –
transport, storage and surface fluxes” by
L. H. Smedsrud et al.***

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Based on questions I have received giving talks about the paper, I would like to make this question public in the community. Maybe someone has looked at this already, or would like to search for a similar relationship in their own model results.

Our model results (Figure 8) show that there is a close to linear relationship between the ocean heat transported to the Barents Sea, and the mean temperature. For smaller heat transport (50 TW) a linear relationship is no longer a good approximation. What causes this difference ? Is there a similar (linear) relationship between ocean heat transport and heat loss in the southern part ?

Interactive comment on Ocean Sci. Discuss., 6, 1437, 2009.

C365