

Interactive comment on “Sea Ice Deformation in a Coupled Ocean-Sea Ice Model and in Satellite Remote Sensing Data” by Gunnar Spreen et al.

Anonymous Referee #1

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Thank you for the clarification, its very good to have.

W.r.t. your point a) then I'm happy to see that we essentially agree on what is happening in the model. When reading the paper I assumed you meant that increased deformation would result in increased cracking and growth in leads - but what is really happening (I assume!) is that the ice becomes thicker at the Greenland and Canadian coast with more production on the Siberian side. It was really a statement along those lines that I missed.

On point b) - that's good! This makes the results of section 4.3.2 and particularly that of 4.5 very interesting.

Interactive comment on The Cryosphere Discuss., doi:10.5194/tc-2016-13, 2016.