

Interactive comment on “Characterizing Arctic sea ice topography using high-resolution IceBridge data” by A. A. Petty et al.

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A difference document is included (as a supplement, see below) highlighting the changes made based on the reviewer comments.

We would also like to request a change to Figure 13 (and surrounding discussion) in the revised manuscript. This is outside of the reviewer comments. As the 2015 ATM data is now available and processed, we would like to include this in the ice thickness estimates (Figure 13) from surface feature heights (presented in Section 4.3) instead of 2013/2014. The 2015 data is not included in the calculation of the regression coefficient (Figure 12) that is then used to estimate ice thickness from the 2015 surface feature heights. Including 2015 also provides a quick-look at the

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2015 surface feature data that is likely to be of interest to the community. To the data section, we have added: ‘We primarily analyze the ATM data from 2009–2014 in this study, but also make use of the recently released 2015 data in the surface feature–ice thickness regression analysis (Section 4.3). We have made a few small changes to the discussion in Section 4.3, as noted in the difference document.

Please also note the supplement to this comment:

<http://www.the-cryosphere-discuss.net/9/C3348/2016/tcd-9-C3348-2016-supplement.pdf>

Interactive comment on The Cryosphere Discuss., 9, 6495, 2015.

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