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Interactive comment on "Deglaciation and future stability of the Coats Land ice margin, Antarctica" *by* Dominic A. Hodgson et al.

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Thank you for this constructive and careful review.

Specific comments

We have now added statements in the methods section identifying the key survey areas covered by the different vessels. These are cross-referenced to the figures. Some of the surveys further offshore (Fig. 1) are the product of multiple ship-tracks.

With respect to the reliability of the 35-40 m grid cell size, the data were gridded using a Gaussian weighted algorithm in to square grid cells (e.g. 40 x 40 m) with the smallest cell size selected such that the highest-resolution grid was obtained whilst ensuring that each cell included multiple seafloor soundings. Minimal interpolation of the grids

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was then performed to fill small holes (up to 6 grid cells in one direction) in the data.

Technical corrections

These corrections have been carried out in our revised version of the manuscript.

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