

Quantification of Items:

Narrow Shelf:

Sentence will be changed to: "The continental shelf in this area is with 30 km - 150 km particularly narrow (cf. Arndt et al., 2013) and is largely covered by thick ice shelves, preventing ship-based data acquisition."

Track width and line spacing (Section 3.1/Multibeam Echosounder):

Sentence will be changed to: "The data were recorded with the hull mounted multibeam echosounder systems Atlas Hydrosweep HSDS 2 and HSDS 3 (Knust, 2017). The tracks are partly overlapping or have spacings up to 7 km, the track widths range between 700 m and 2.3 km."

Line Spacing (Section 3.1/Sub-bottom Profiler):

Sentence will be changed to: "The master tracks of these RV Polarstern expeditions, which have a total track length of ~400 km in the considered area and partly overlap or have a distance of up to ~20 km, are shown in Fig 1c."

Grounding Ice on the Slope:

Following sentences will be deleted (Section 2 and Discussion): "Sediment core evidence offshore the EIS further suggests an extended East Antarctic Ice Sheet during marine isotope stages 6 and 4-2 probably reaching beyond the continental shelf break (Grobe and Mackensen, 1992), but no direct geomorphological or geological evidence exists for that so far (Hillenbrand et al., 2014)." And: "Other cores recovered from the continental slope suggest that grounded ice may have reached the shelf break during past glaciations, including the LGM (Grobe and Mackensen, 1992)."