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The Cryosphere Discussions

Interactive comment on "Getting around Antarctica: new high-resolution mappings of the grounded and freely-floating boundaries of the Antarctic ice sheet created for the International Polar Year" *by* R. Bindschadler et al.

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First, many thanks to the reviewers and to E. Rignot and T. Scambos. Also, my apologies to the authors for the delay.

This paper has now been reviewed by two referees and comments were posted by E. Rignot and T. Scambos. Both referees suggest that the paper may be publishable following major revision and secondary review. While both reviewers say that the method is generally sound and the data will be useful to the community, they are most con-

cerned about the overall presentation of the data set, especially in terms of how the assumptions and limitations of the method and error constraints. The comment by E. Rignot suggests the methodology itself is flawed. This assertion is rebutted by T. Scambos.

I agree with the consensus of the referrers that this data set is of worthwhile potential value to the Cryosphere community. Considering the potential demand and use for this data, its critical to have a rigorous estimation of error and clear statements about the limitations of the methods and assumptions. I also agree with referee 1 that validation experiments, using lidar and radar data,should be conducted over ice stream and outlet glaciers, since these areas are so important for mass budget.

I encourage the authors to revise their manuscript and then post replies to each of the comments, explaining either how those changes are adopted into the revised ms or why the authors reject the suggestion.

Interactive comment on The Cryosphere Discuss., 5, 183, 2011.