



OSD

8, C545–C546, 2011

Interactive Comment

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Interactive Discussion

**Discussion Paper** 



## *Interactive comment on* "A computational method for determining XBT depths" *by* J. Stark et al.

J. Stark et al.

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We have reviewed the reviewers comments and we are deeply appreciative of them. We have taken aim to incorporate the suggestions into a revised version of the paper and we believe the quality of the paper is substantially improved. Here are the specific actions taken in response to the review.

- 1. We have added "flow" as suggested
- 2. We have inserted the word "estimation" as suggested.
- 3. The reviewer is correct, we have fixed the error in the equation.
- 4. We have inserted the word "between" as suggested by the reviewer.
- 5. We have removed the superscript "old" from Eq. (7).

6. We have added a referencing sentence to clarify the origination of the adjunct function.

- 7. We have removed the "a" as suggested by the reviewer.
- 8. Change made as suggested by the reviewer.
- 9. "Using" has been changed to "used"
- 10. Change made to caption as suggested by the reviewer.
- 11. Change made to caption as suggested by the reviewer.
- 13. Change made to caption as suggested by the reviewer.
- 14. The abscissa has been changed, this graph was mislabeled
- 15. Change made to caption as suggested by the reviewer.
- 16. Change made to caption as suggested by the reviewer.

17. The reviewer makes a valid point here and we have added a sentence to indicate this point.

18. We have added a few sentences to quantify the mesh independency study.

19. The entirety of the probe was modeled. A sentence discussing this has been added to section 2.

21. We have removed the redundant sentence.

22. We have added a statement about the time-step size used in the forward integration.

Interactive comment on Ocean Sci. Discuss., 8, 1777, 2011.

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