**Ocean Science
Discussions**

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

J. Stark et al.

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We are deeply appreciative of the comments which Dr. Kizu has provided to our manuscript. We believe that many of these items can be addressed in a revised version of the paper.

Specifically, Dr. Kizu wondered whether we are able to compare our new method with collocated CTD experiments. We will include several independent comparisons in the revised version of the paper. In the new figures, we show results from the recommended FRE, our method, and the collocated CTDs. The agreement between our method and the CTD results adds reinforcement to the veracity of the method used in the paper. We thank Kizu for the recommendation and we are certain that the new results make the paper more compelling.

We recognize that the discussion of the turbulence models was superficial because

we referred the readers to the cited literature. Based on Dr. Kizu's suggestion, we have added three paragraphs which explain many of the terms he listed. Finally, we would appreciate any data that Dr. Kizu would share with us that allows comparisons between T5 devices and collocated CTD devices.

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