

## ***Interactive comment on “Distributions of mixed layer properties in North Pacific water mass formation areas: comparison of Argo floats and World Ocean Atlas 2001” by F. M. Bingham and T. Suga***

**F. M. Bingham and T. Suga**

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“The last 4 paragraphs” We have removed (former) Figs. 6 and the associated discussion. We felt that (former) Figs. 5 were important for seeing the mode water variations in context, so we have left that in (using the 2006 results instead), but removed some discussion. We also feel that these results need further exploration and plan to do this in the near future.

“The question of the interpolation scheme” We have added a measure of confidence in our interpolation to the paper. This is most important with regards to Table 1 and the volumetric distributions of Fig. 2. We have also changed the analysis to use the 2006

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dataset, which has 50% more profiles than 2005 and better coverage in mid-ocean.

“Finally, a basic property” As stated in the response to reviewer 1, the “Oka, personal communication” reference is to a manuscript that has since been submitted for publication. The data handling procedures described there basically outline evaluation by the Argo real-time quality control algorithm, along with visual inspection to eliminate suspect data. The reviewer can obtain a copy of the manuscript using the instructions given in response to reviewer 1. Using the Oka et al dataset, which we would be happy to provide to anyone interested, we believe that our work would be very straightforward to duplicate.

“1. The text ” Text changed.

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