

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

Received and published: 31 May 2006

We appreciate the reviewer's careful reading and thoughtful comments. The manuscript have been much improved as a result.

1. De Boyer Montegut et al (2004) have discussed this issue in detail and even done some calculation. Obviously, the two methods of estimating MLD are different. It is not clear how different the results are. Even the method of using MLD's from individual profiles and averaging them together can create problems. We have added some text detailing some of their results.

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2. We have added a reference to the Endoh et al paper.
3. The sampling for 2006 is much better than the previous two years - 50% more profiles. We have substituted 2006 analysis for 2005 in the previous version of the manuscript. We have removed the pdf's of (former) Fig. 6. For the pdf's of (former) Fig. 4, we have used the 2006 data, so as not to create confusion by adding temporal inconsistency to it.
4. Done.
5. We appreciate the reviewer's insight here and have incorporated it into the text.
6. We think the reviewer probably means "Column 2" and "Column 3", and have removed these at his/her suggestion.

Interactive comment on Ocean Sci. Discuss., 3, 1, 2006.

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