

Interactive comment on “Seasonal and mesoscale variability of oceanic transport of anthropogenic CO₂” by Z. Lachkar et al.

Z. Lachkar et al.

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I only have a couple of minor suggestions.

1. (Pg 4239, line 20) There are several papers as well as the Matsumoto and Gruber that discuss potential errors in the GLODAP estimates. E.g.,

- Waugh, et al, 2006: Anthropogenic CO₂ in the oceans estimated using transit time distributions, *Tellus B*, 58B, 376–389.

- Vazquez-Rodriguez et al., 2009: Anthropogenic carbon distributions in the Atlantic Ocean: data-based estimates from the Arctic to the Antarctic, *Biogeosciences*, 6, 439–451, 2009.

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- Alvarez, M., et al. 2009: Estimating the storage of anthropogenic carbon in the subtropical Indian Ocean: a comparison of five different approaches, *Biogeosciences*, 6, 681-703.

Done. These references have been added in the revised paper (Pg 7, lines 6-7).

2. I think it would help if some of the figures were in more standard format / axes limits which would help comparisons. E.g., Fig 12 and 13 should be 4 panel plots like Fig 4 and 5, with same axes limits. Also limits for figs 7 and 8 are different.

Done. Figs 12 and 13 are now displayed in 4 panel plots in the same axes limits. Also, Fig 8 has been removed following Referee #2's suggestions 7 and 9.

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