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Interactive comment on “Nitrous oxide dynamics in low oxygen regions of the Pacific: insights from the MEMENTO database” by L. M. Zamora et al.

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We wanted to point out that two of the figures have changed slightly.

Fig. 6 has been modified because an error in the UVic model was found that lead to faulty oxygen distributions (and thus less realistic nitrous oxide distributions). Note that while the magnitudes of nitrous oxide concentrations shown in Fig. 6 are somewhat different, the trends in data are still the same. Thus this correction has only no impact on our conclusions.

Fig. 7 has been combined with the former Fig. 8 at the request of the referees, and now also includes a map of the sampling region.

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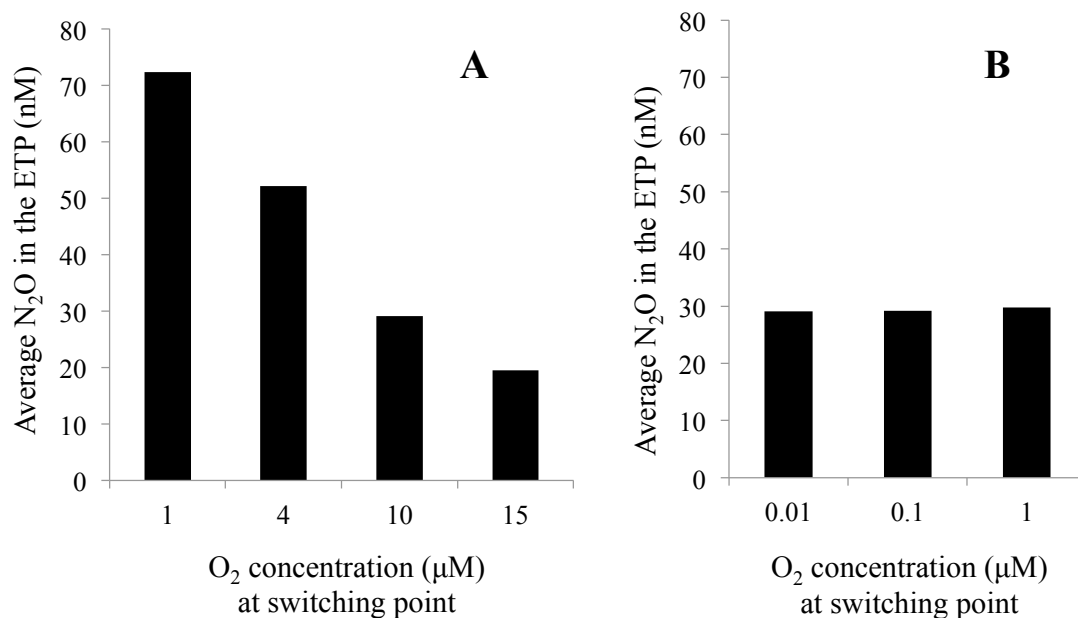
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Fig. 1. The new Fig. 6: Sensitivity of average modeled N₂O concentrations in the ETP to a) the O₂ concentration at which N₂O consumption begins, and b) N₂O consumption rate

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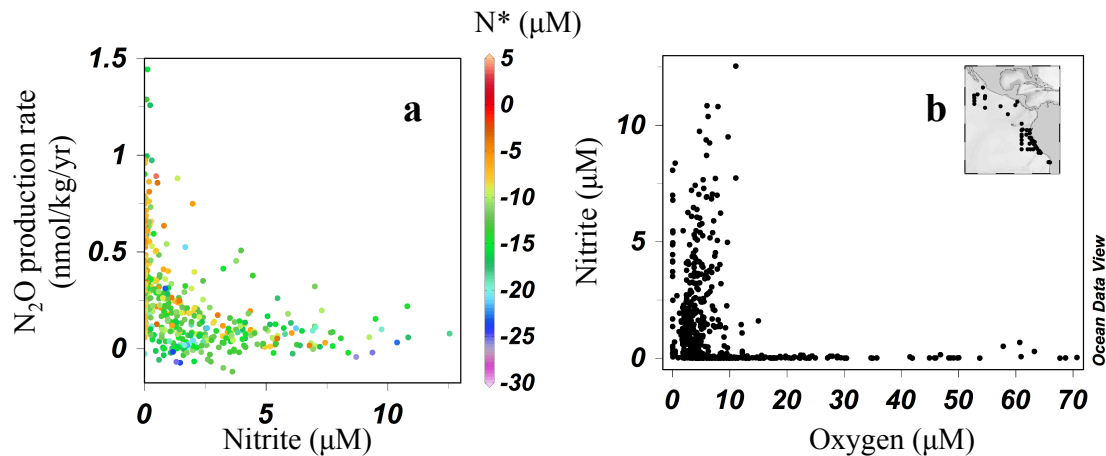


Fig. 2. The new Fig. 7: a) ETP N_2O production rate (N_2OPR) vs. NO_2^- and N^* in the Eastern Tropical Pacific (ETP), b) NO_2^- (μM) and O_2 (μM) values in the ETP from depths >150 m. NO_2^- accumulates at $\text{O}_2 < 10 \mu\text{M}$.

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