

Interactive
Comment

Interactive comment on “Sea level trends in South East Asian Seas (SEAS)” by M. W. Strassburg et al.

M. W. Strassburg et al.

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We thank the reviewer for the comments. We will reserve our response to the more specific comments for when the open discussion is closed and final revisions are prepared, but refer the reviewer to the previously posted response. The CSEOF reconstruction is unique in its ability to capture internal climate variability. This is due to the fact that no EOF0 has been included. That being said, EOF0 has a large impact on how internal variability contributes to global mean sea level (as shown in Calafat et al. (2014)). However, based on our tests, it does not necessarily have the same negative effect on regional trends. EOF0 is specifically designed to capture the long-term, secular trend and add it to the reconstruction. In the analysis presented here, that portion of the reconstruction just represents a mean present across all analyzed trends. We believe the results in our paper would still be valid in terms of the relationship to the PDO if the trend in GMST was first removed. We will provide further discussion in the

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revised paper to make this point clearer.

Interactive comment on Clim. Past Discuss., 10, 4129, 2014.

CPD

10, C2089–C2090, 2014

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