

## ***Interactive comment on “Evaluation of the eastern equatorial Pacific SST seasonal cycle in CMIP5 models” by Z. Song et al.***

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Received and published: 7 July 2014

Dear Karthik Balaguru,

It's a very valuable suggestion. Thanks. At first we tried to do the heat budget analysis to quantitatively identify the roles of associated physical processes in the SST bias. However there are no observation products besides several ocean reanalysis dataset such as SODA or GODAS. It is feeble to draw any conclusions for the ocean bias given the available reference data and the presence of residual term. So we cannot answer your question at present.

In our following work we plan to apply NCAR CESM1, which suffers the same bias problems, to reexamine our results and also evaluate each term in the heat budget

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equation by well-designed numerical experiments.

Thank you for your suggestion again.

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Interactive comment on Ocean Sci. Discuss., 11, 1129, 2014.

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