Interactive comment on “On the Role of the North Equatorial Counter Current in Transporting Heat during a Strong El Niño” by David J. Webb

Anonymous Referee #1

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The ms examined the role of the NECC in water mass and heat transports during El Nino events by analyzing output of a realistic model simulation. The topics is of great interest to scientific community because the origin of El Nino events are still in strong debate. Previous studies suggested roles played by warm water transfers from the western tropica Pacific to the east (McPhaden and Picaut 1990; Picaut et al. 1996; Meinen and McPhaden 2000; Jin 1997; Bunge et al. 2014). The present ms proposed the specific roles played by the NECC in the warm water transport frame used to explain El Nino onset. Some intersting results are obtained. However, the ms as it stands is a very preliminary draft and there are great needs to be improved. The author is asked to prepare a concise scientific paper for submission. Here are some details.


The author is encouraged to read these papers carefully and then write a concise and coherent scientific paper for resubmission.