

Interactive
Comment

Interactive comment on “Sea level trend and variability around the Peninsular Malaysia” by Q. H. Luu et al.

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The authors of this manuscript have presented an interesting results to quantify the temporal sea level trend variations around Peninsular Malaysia. Though this is a regional study, it gives clear picture of sea level trends around Peninsular Malaysia, which will be useful for further studies on sea level variations in the SCS. The following suggestions and comments may be incorporated by the authors before being accepted in Ocean Science Journal.

(i) pp. 1527 l. 25, the authors said that magnitude of annual sea level variability is proportional to the intensity of ENSO events. But, annual sea level can be influenced by IOD also. Volume transport between adjacent oceans can also play a significant role in annual sea level variations since SCS is embedded between Indian and Pacific Ocean

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and connected to adjacent Seas by Straits. Accordingly, write-up may be modified.

(ii) IOD drives the sea level change, probably through the uniform south westerly winds in the SCS. Detailed analysis of sea level data along the Peninsular Malaysia is needed to get an idea of spatial variation of IOD induced interannual SLAs. PDO index can be used as one of the climate proxies for reconstruction for longer scale.

Interactive comment on Ocean Sci. Discuss., 11, 1519, 2014.

OSD

11, C780–C781, 2014

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