

# ***Interactive comment on “Seasonal, Spring-Neap and Tidal Variation of Hydrodynamics and Water Constituents in the Mouth of the Elbe Estuary, Germany” by Jens Kappenberg et al.***

**Jens Kappenberg et al.**

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Dear referee,

I thank you for your comments on our manuscript. I generally agree with you that the purpose of the measurements at this site remains somewhat obscure. The main reason is that HPA initiated measurements on the northern wadden area (Neufelder Watt) some years before and in some way wanted to complete the general picture. The site is peculiar and I think no additional basic knowledge concerning estuarine processes can be gained from the time-series. A chance has been missed to install instruments (like ADCPs, sensor chains) which allow to study the vertical structure of the water column on a long-term basis. So the added value to the routine measurements at

the neighboring stations like LZ2 is rather low (also considering the gaps in the winter period).

I will follow your suggestions to concentrate on effects of the river flood in 2013 and discuss them in more detail, but this is impossible for me in the remaining time to the deadline. So this will actually lead to a new manuscript. The current manuscript will be withdrawn.

Thank you again and kind regards

Jens Kappenberg

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