

***Interactive comment on “Volume, heat, and
freshwater fluxes towards the Arctic from
combined altimetry and hydrography in the
Norwegian Sea” by K. A. Mork and Ø. Skagseth***

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We thank the referee for constructive comments and suggestions. Following is answer on the main issues, and more complete answers to the referee's comments will be submitted later together with a revised manuscript. Overall, the suggestions from the referee will be taken in account in the revised version.

We agree that the errors in the satellite products are important for this study, and these will be included in the new version. The satellite products from AVISO contain also error estimates of the geoid and the altimetry, and these will be incorporated in error estimates for velocities and flux estimates. We are also aware of a recently new ab-

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solute dynamic SSH data set (Rio et al., 2009) which we will consider to use instead. The altimeter data is also corrected for the wet troposphere, and will be mentioned in the revised version. We totally agree with the referee that a comparison of the fluxes with the wind stress curl should instead should be done by using some dynamical relationship, and this will be done in the revised version. In general we think that we can meet the points noted by referee 1.

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