

***Interactive comment on “Volume and temperature transports through the main Arctic Gateways: A comparative study between an ocean reanalysis and mooring-derived data” by Marianne Pietschnig et al.***

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Dear referee Takao Kawasaki,

Thank you for your comments on our manuscript. Concerning the inter annual variability, we will include a more detailed comparison to other observation-based studies in our revised manuscript to discuss whether the values for our study period are representative or not. We can also compare the reanalysis value (145 TW) to a longer time series from the reanalysis (C-GLORS).

C1

We have posted a separate author comment to discuss the issue of reference temperatures for calculating heat transports, which was raised in your referee comment (RC1) and by Ursula Schauer in a short comment (SC1).

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Interactive comment on Ocean Sci. Discuss., <https://doi.org/10.5194/os-2017-98>, 2017.

C2