2.3 Figures and tables

(a)



Fig. 1 (Fig. 13 in the manuscript): Upper panel: distribution maps of profiles in different two-months periods. The white line is the 500 m isobath. The fraction of the full data set is shown as percentage in brackets behind the number of profiles per period. Most of the profiles measured in the deep central Arctic basins between November and June originate from ITP deployments. Lower panel: number of profiles per year, measured in different two-months periods (1980-2015).



Fig. 2 (Fig. 14 in the manuscript): Upper panel: distribution maps of profiles with valid data in the shown depth ranges. The number of profiles and their fraction of the full data set is shown in brackets. Note that the dot size varies, which makes the profile density appear higher in the Nordic Seas for the range 1 000-2 000 m. The percentages sum up to more than 100% as one profile may contain data in more than one depth category. Lower panel: number of profiles per year, with valid data in different depth ranges (1980-2015).



Fig. 3 (Fig. 8 in the manuscript): Temperature and Salinity from a) approximately 37 000 profiles measured in the Amerasian Basin (see figure 6) and b) approximately 17 000 profiles measured in the Eurasian Basin before (upper panels) and after (lower panels) data adjustment and removal of outliers. The green line in the temperature profiles of b) is the profile from figure 7, that failed the statistical screening.



Fig. 4 (Fig. 15 in the manuscript): Temperature and salinity distribution in the Arctic Mediterranean Seas. The maps were obtained by averaging all available data for each profile in the depth ranges given above.