



Concerns and uncertainties associated with the calculations of fluxes of water masses, heat and salt in the North Icelandic Irminger Current



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**MARINE & FRESHWATER
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Arctic Mediterranean exchanges: a consistent volume budget and trends in transports from two decades of observations

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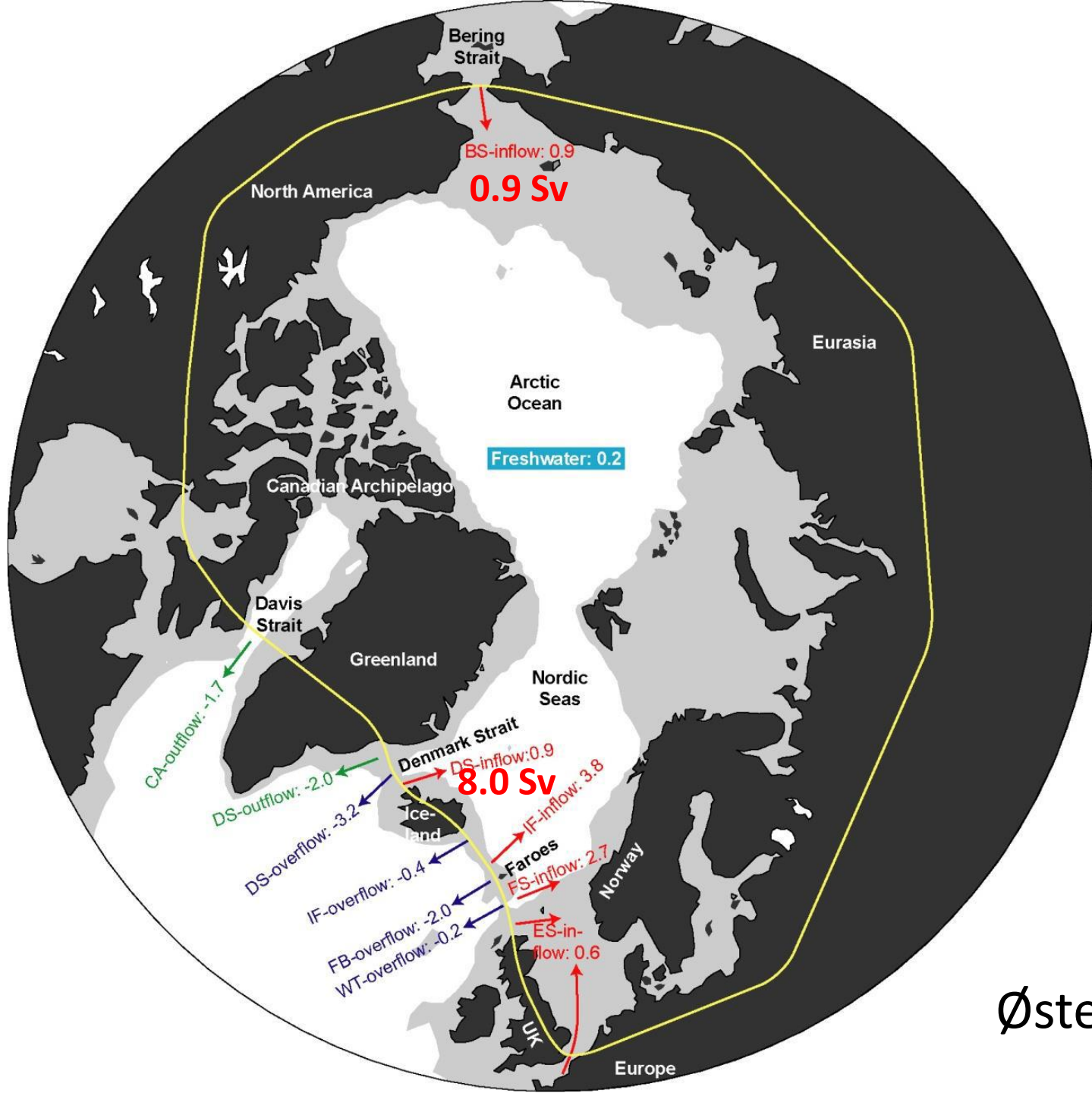
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Østerhus et al. (2019)

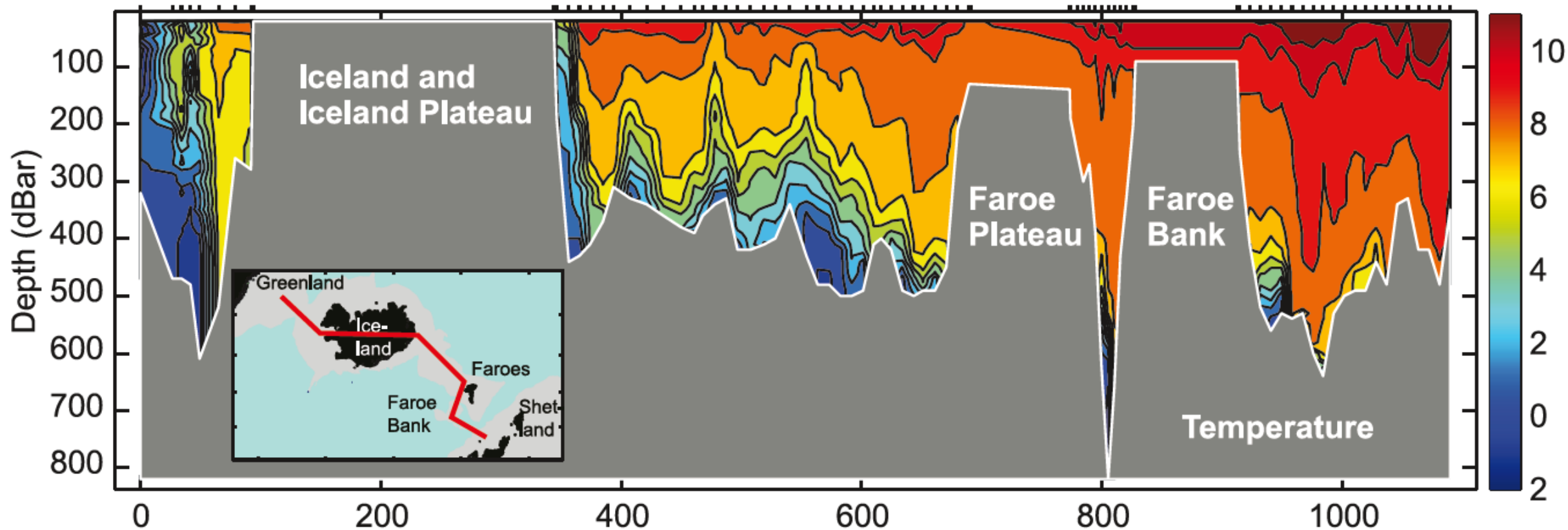
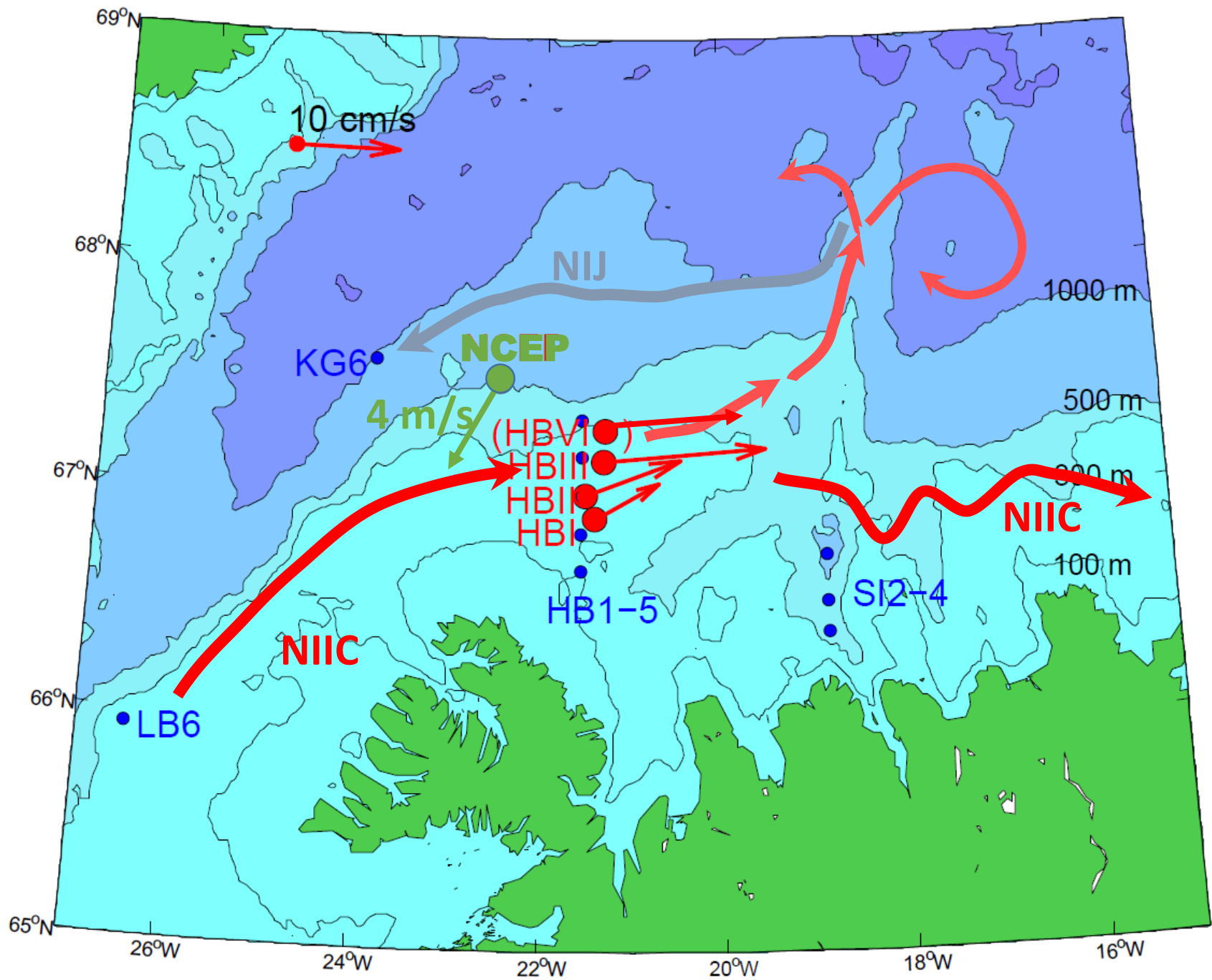
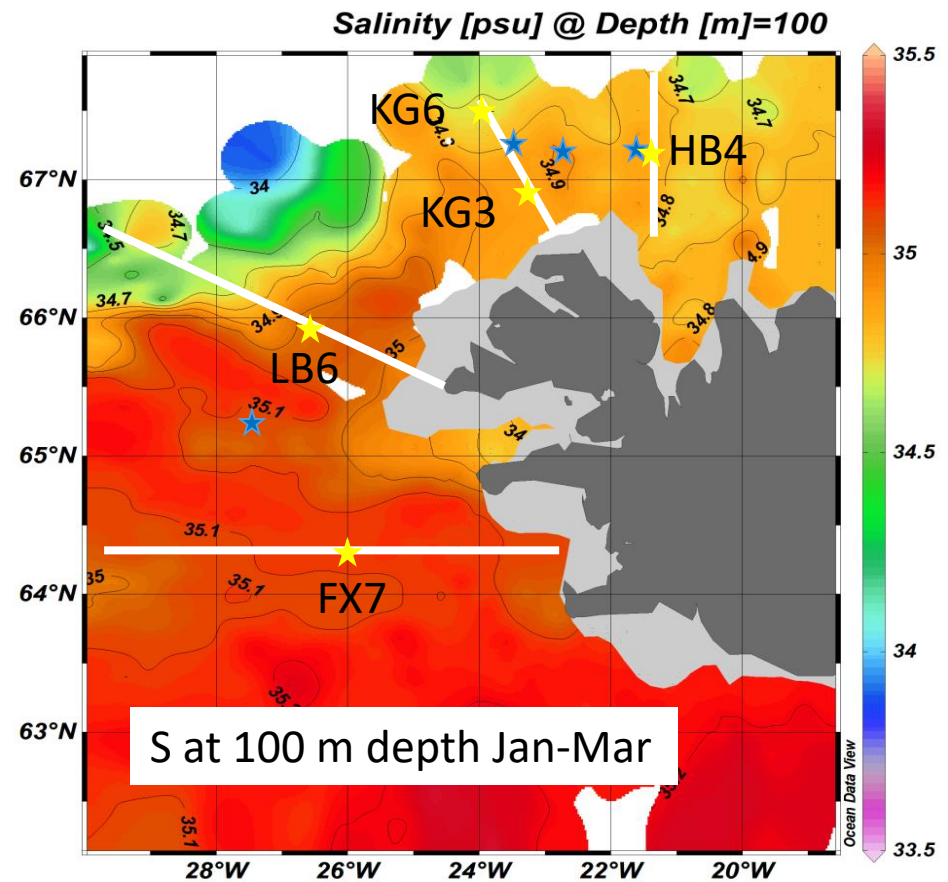
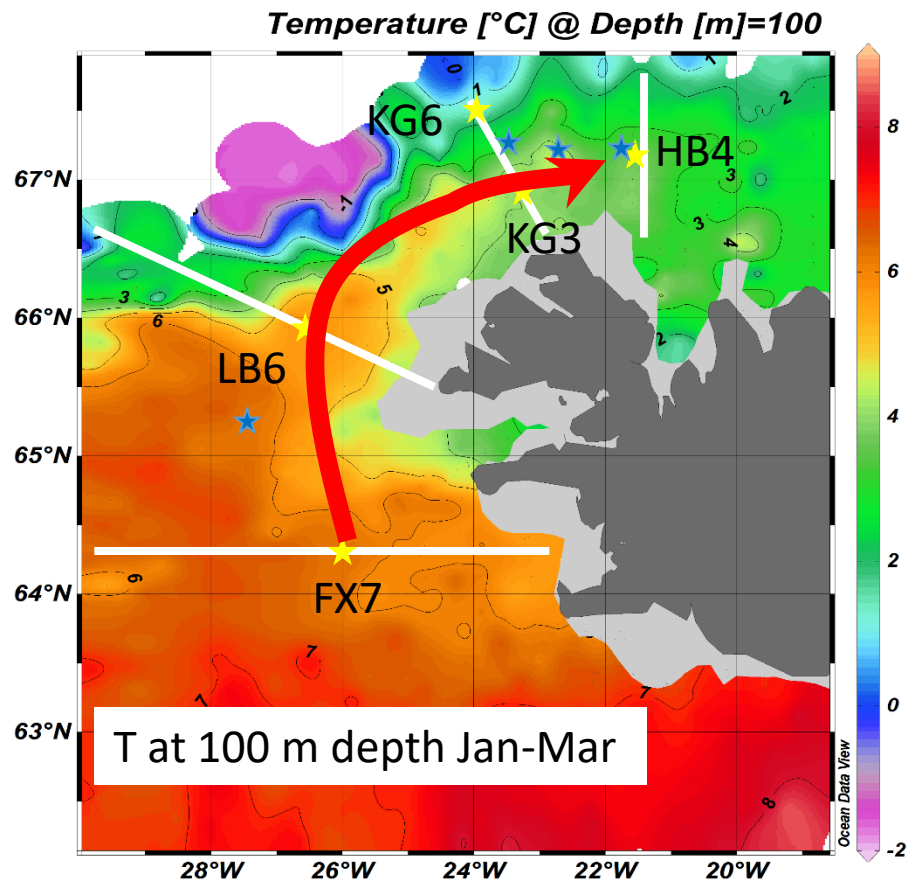


Fig. 1.2 A section following the crest of the Greenland–Scotland Ridge (red line on inset map) showing the temperature in degree Celsius during a cruise in summer 2001

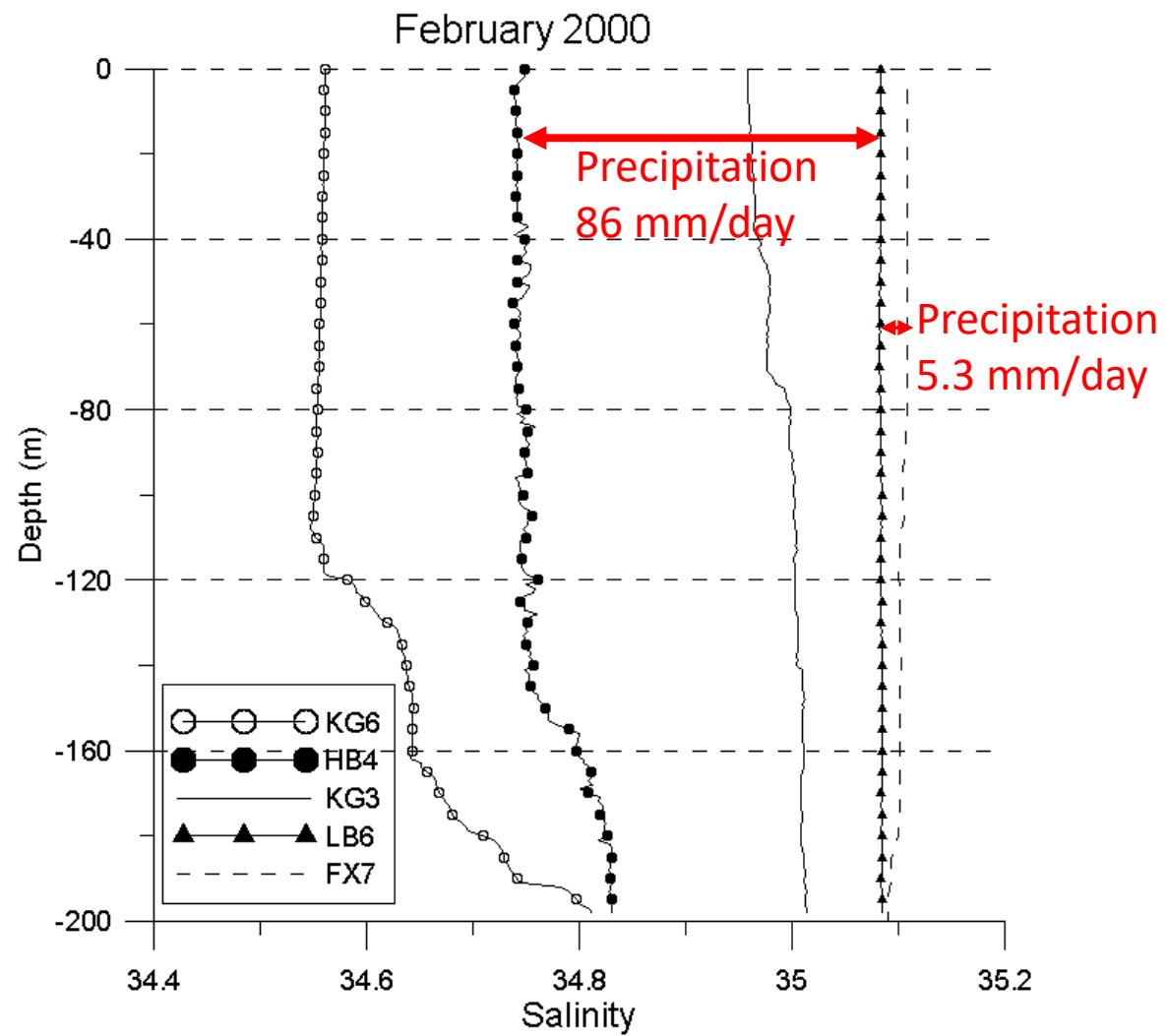
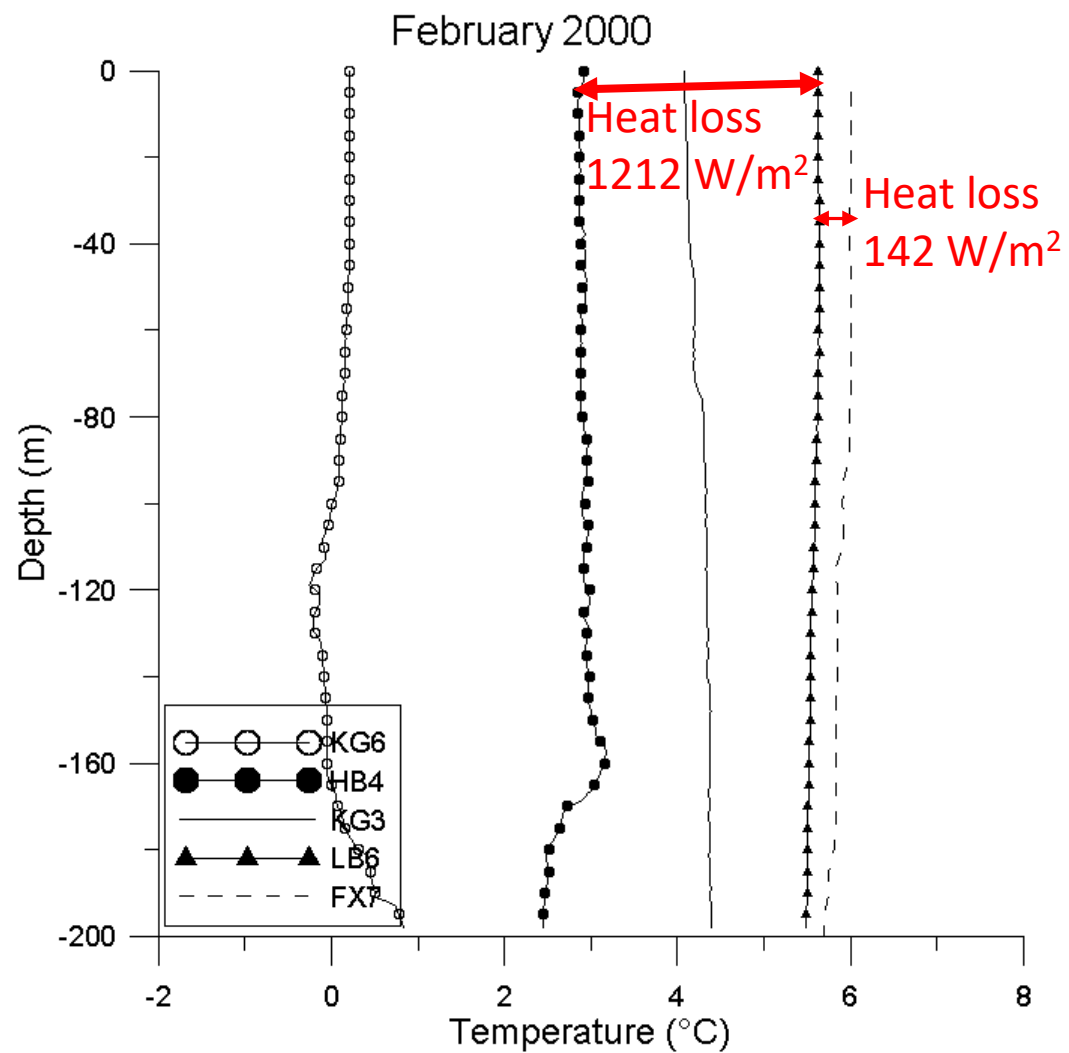
Hansen et al. (2008)

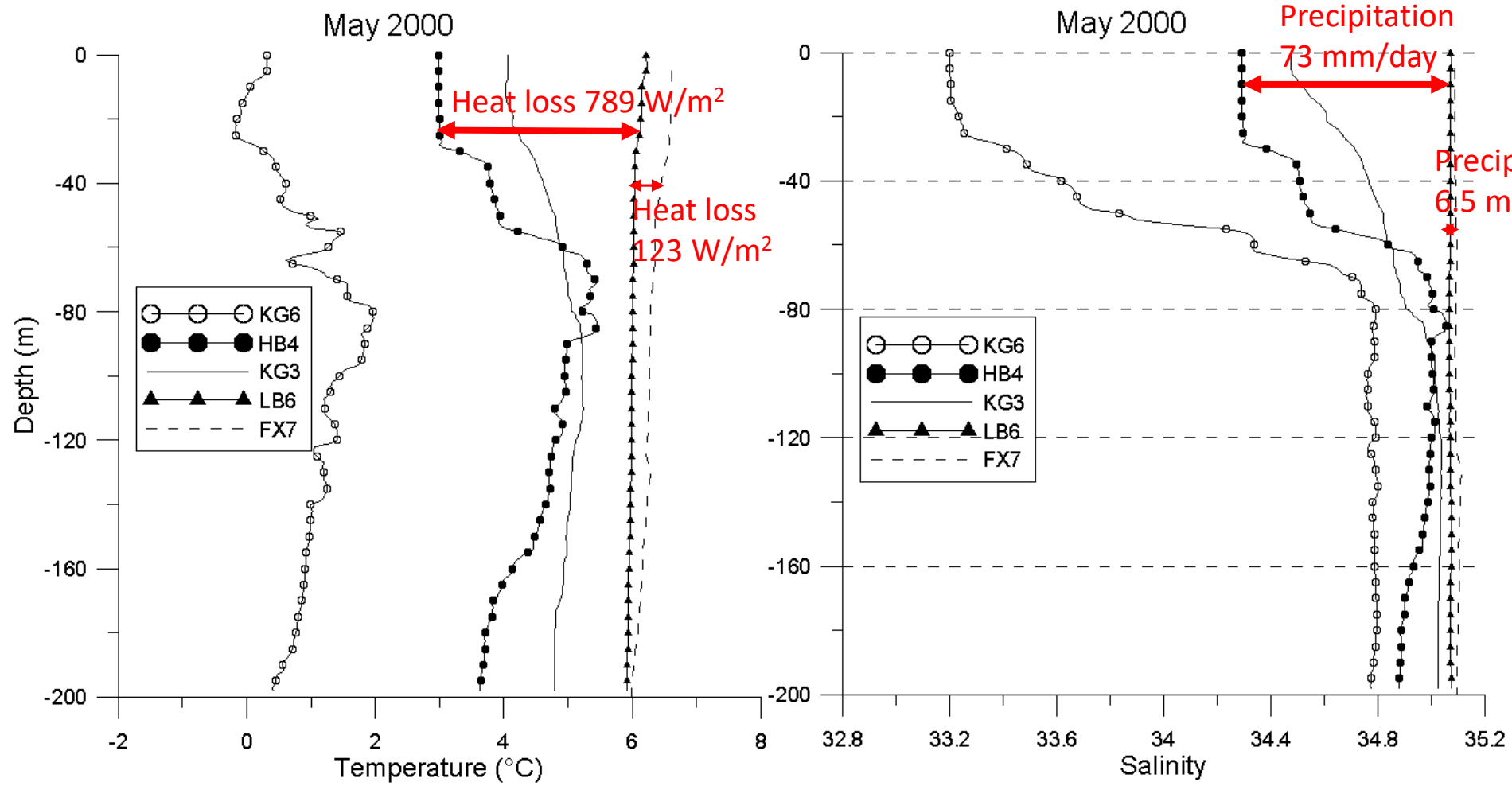


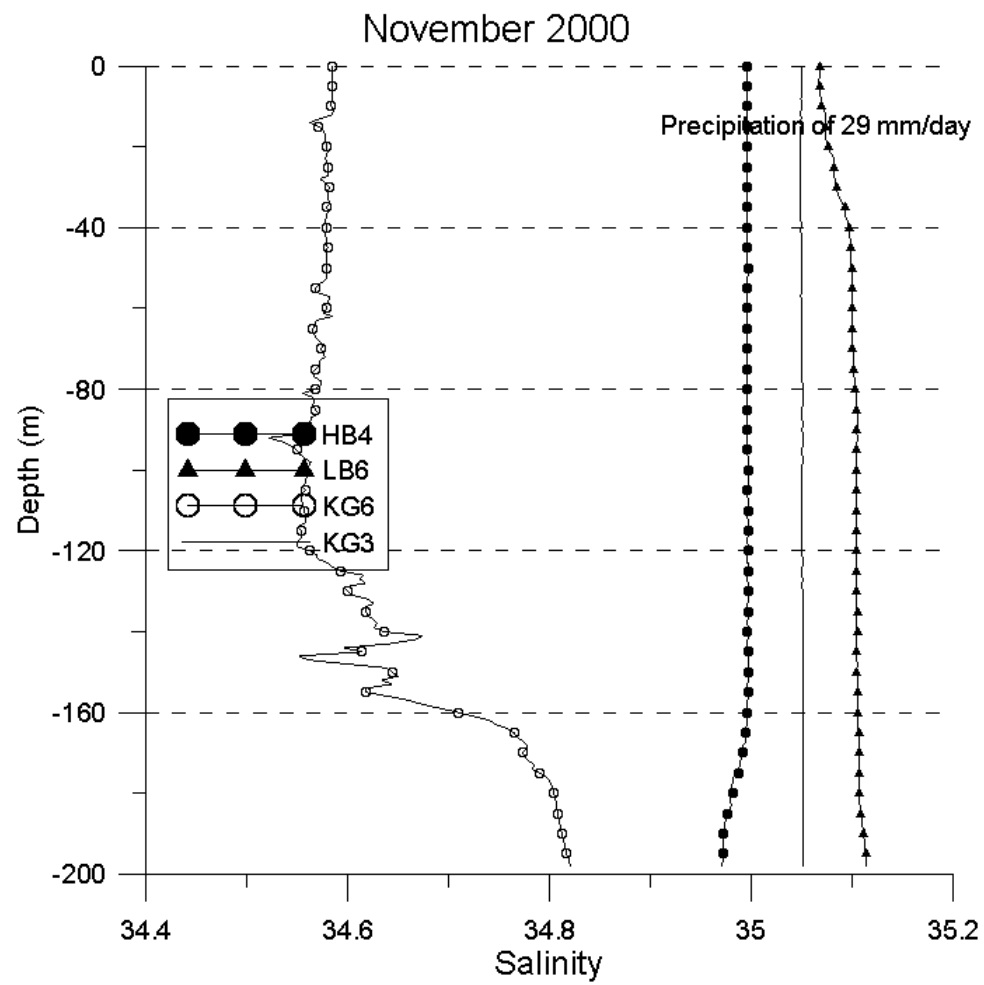
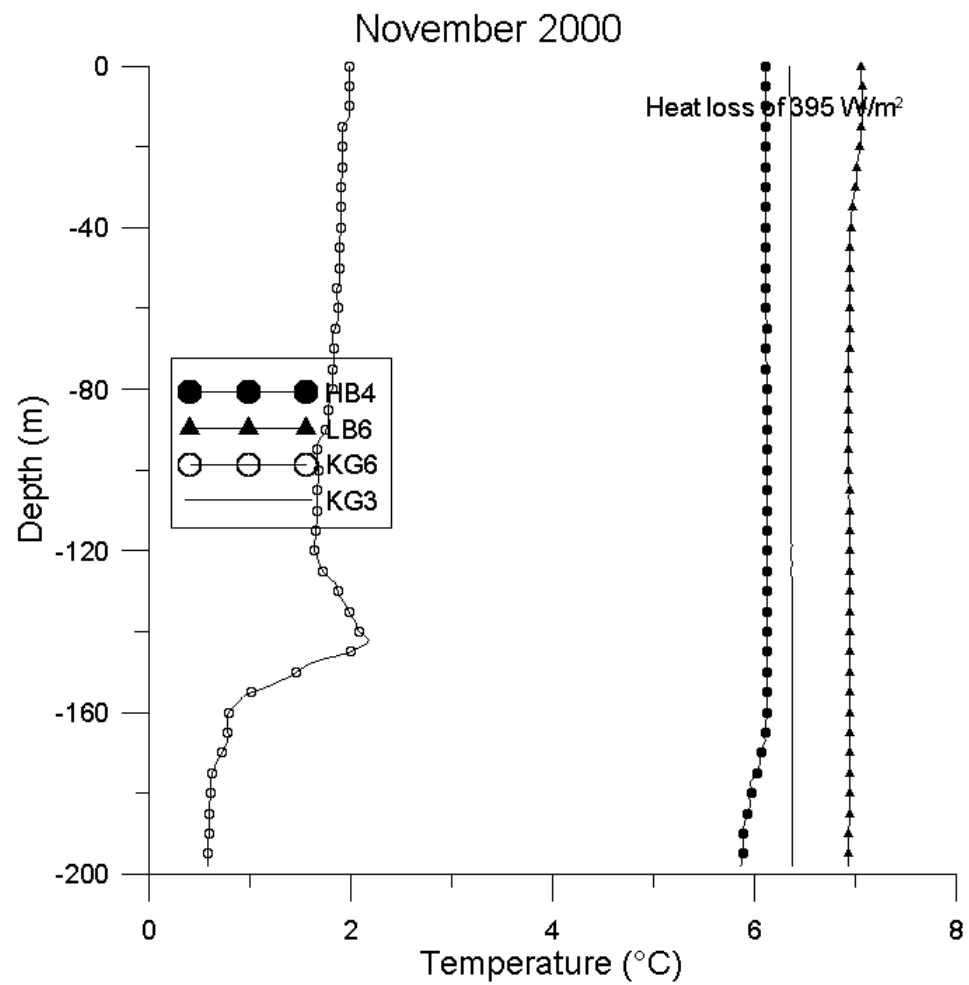


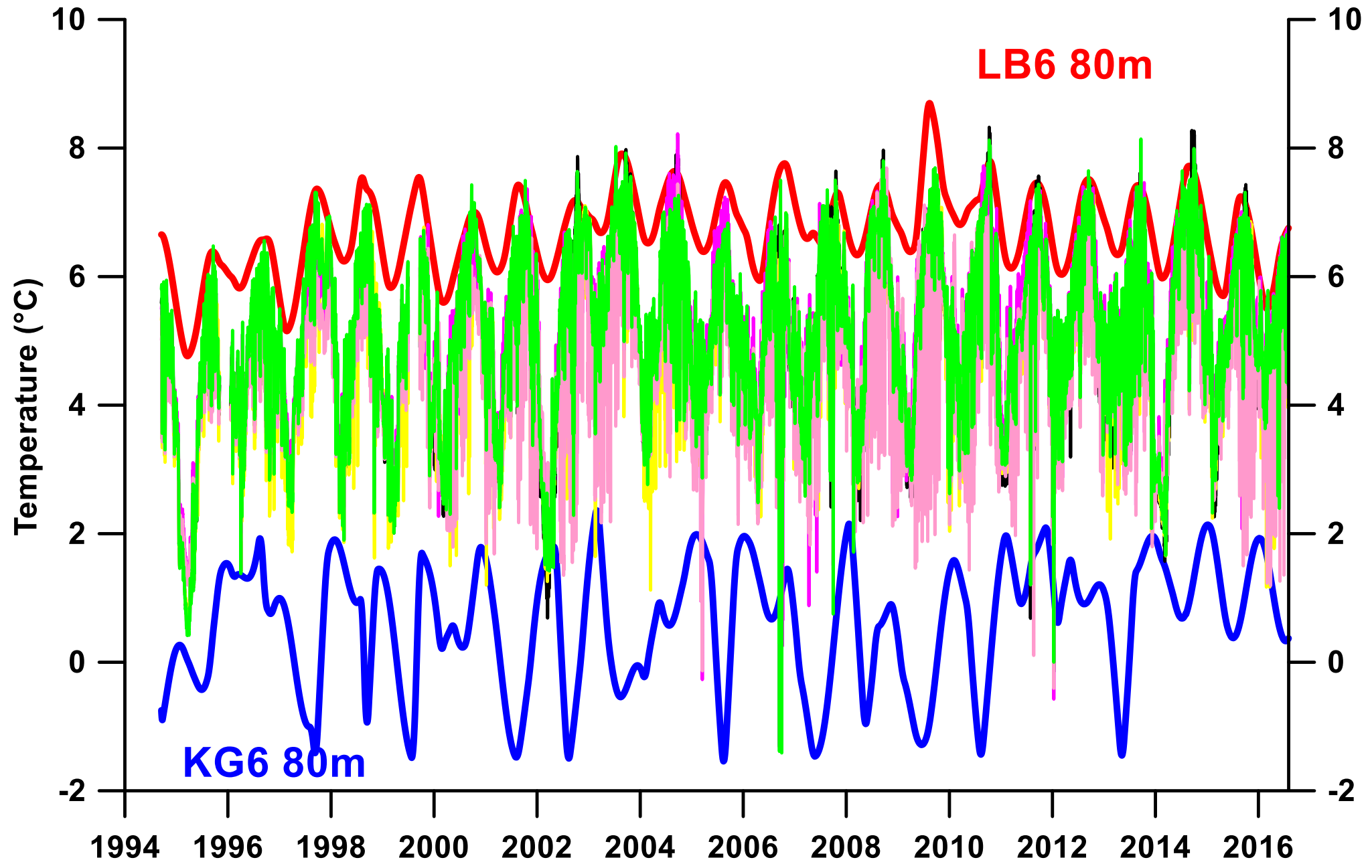
- ★ CTD station
- ★ Current meter station

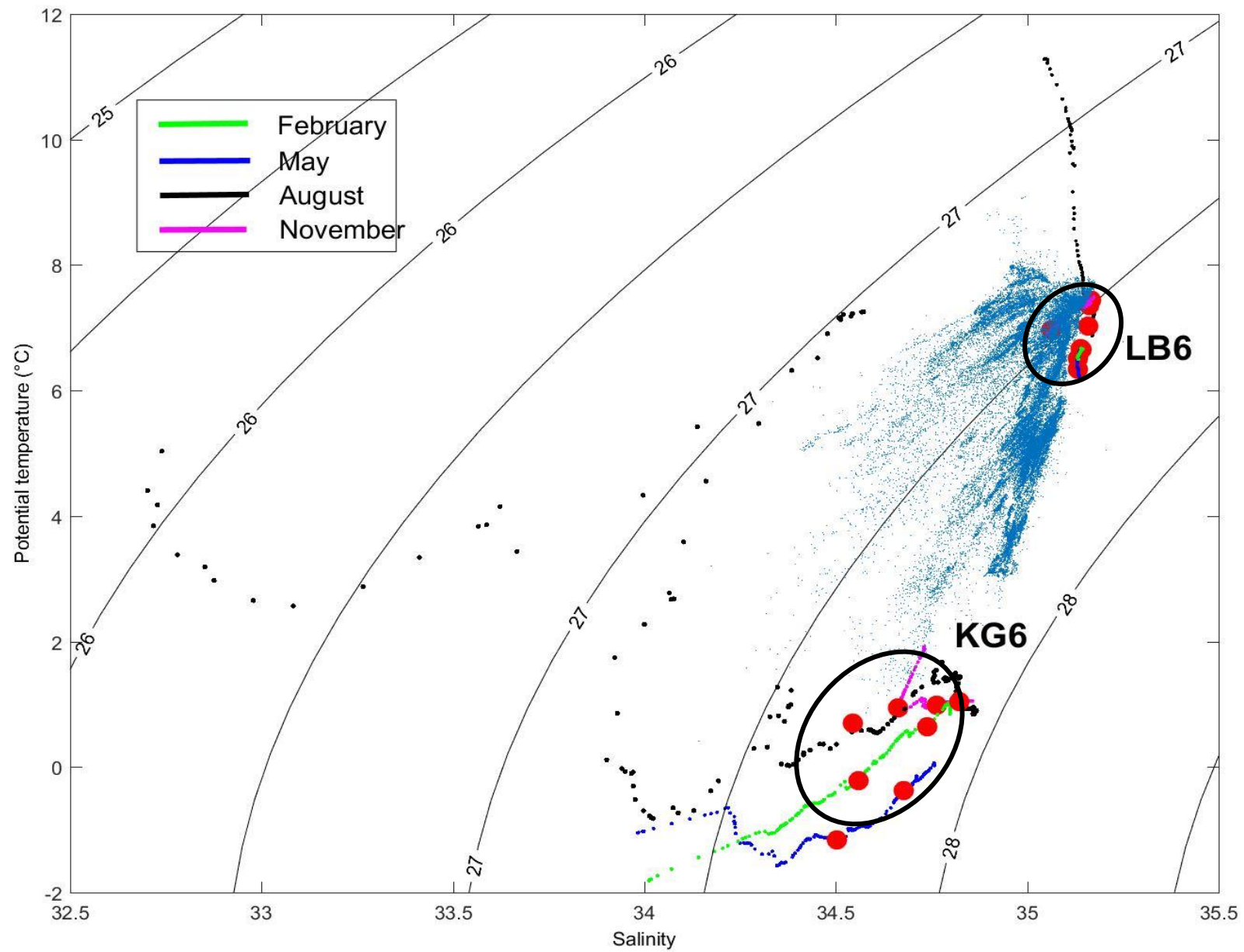
NISE dataset (2007)

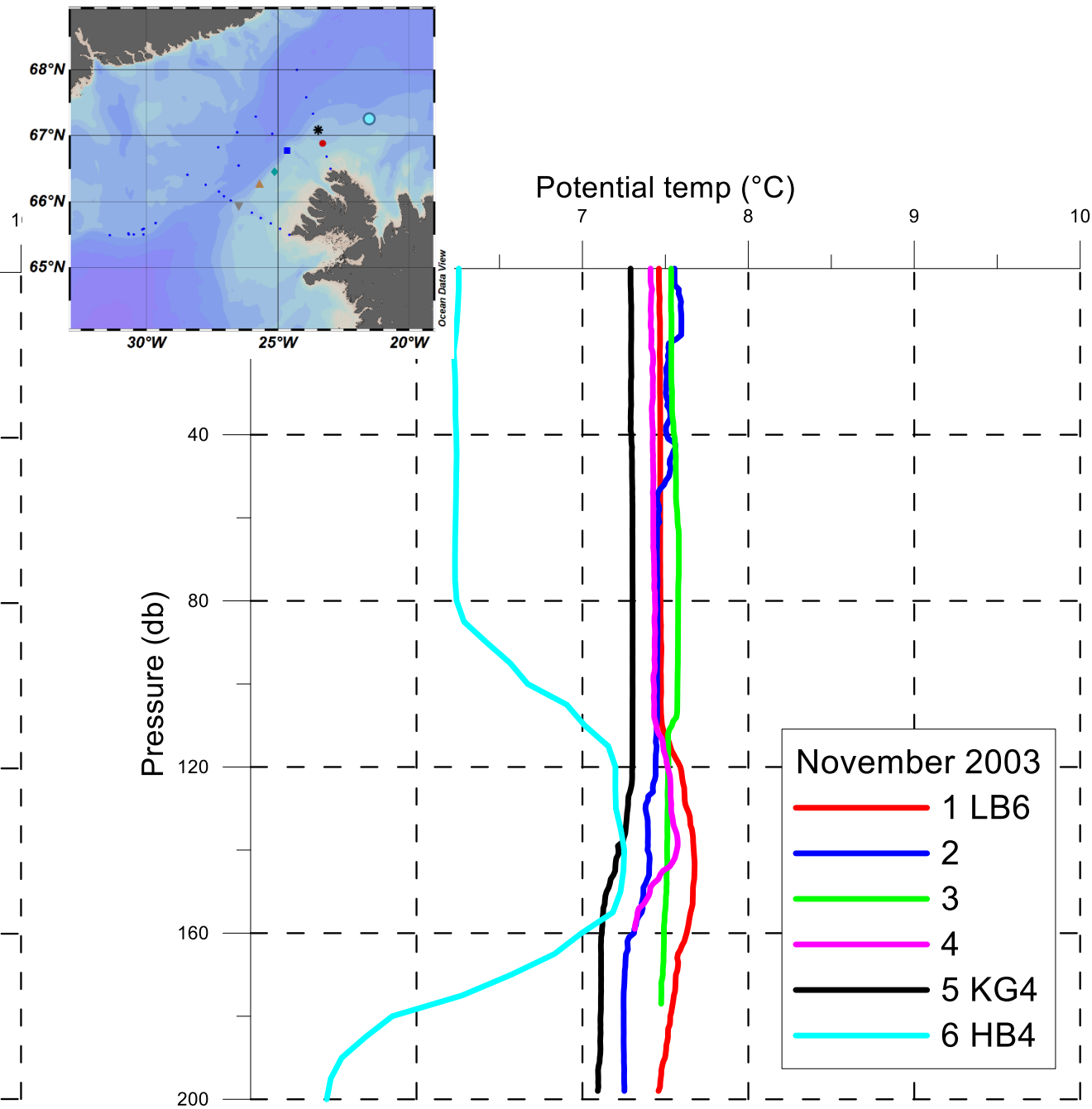
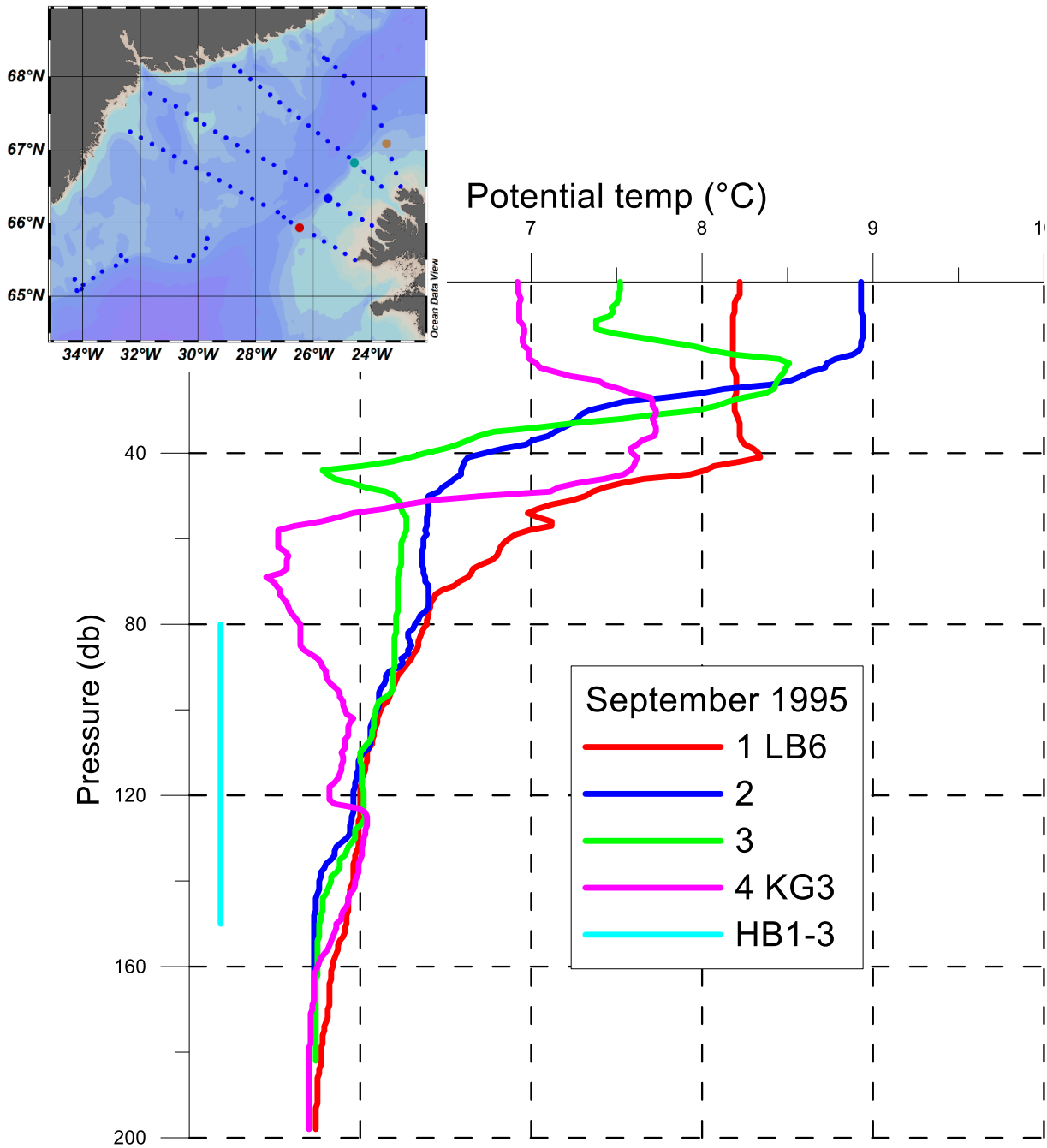


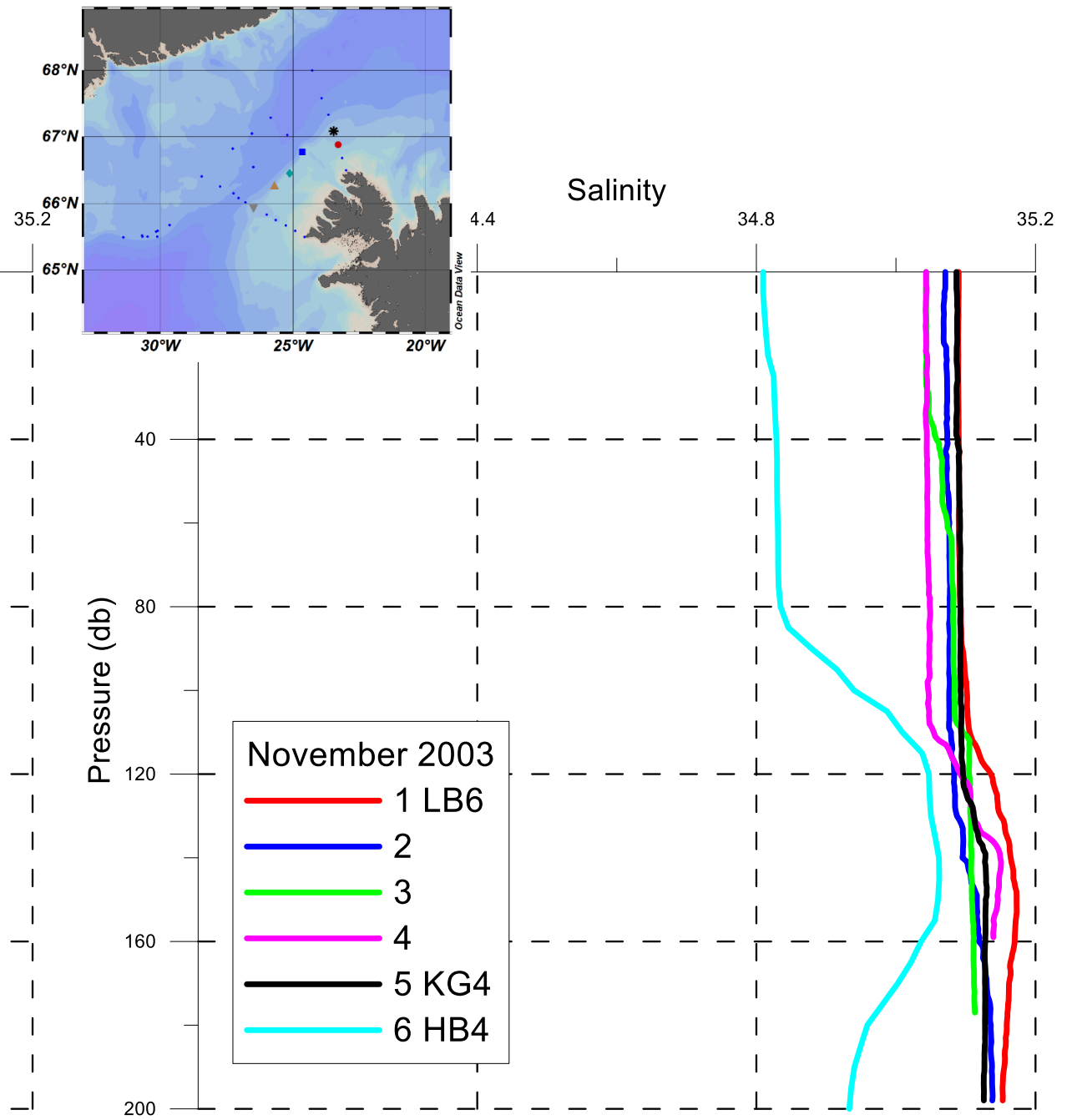
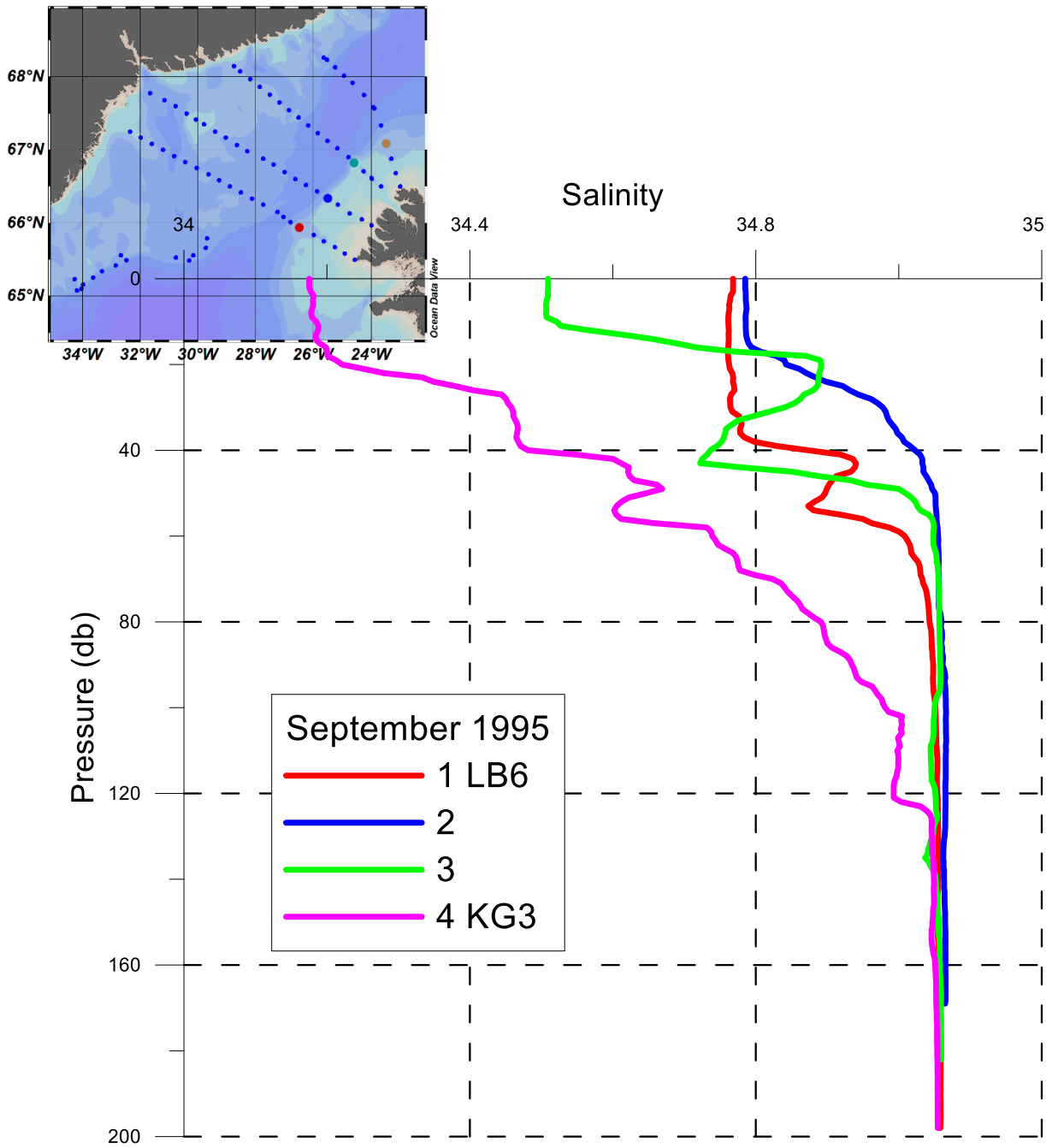


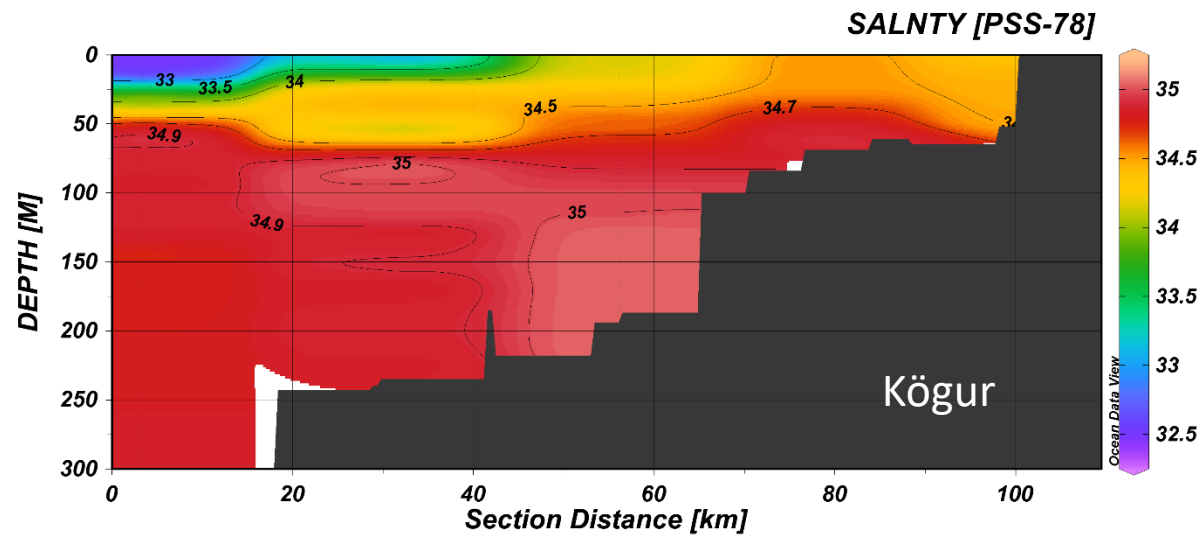
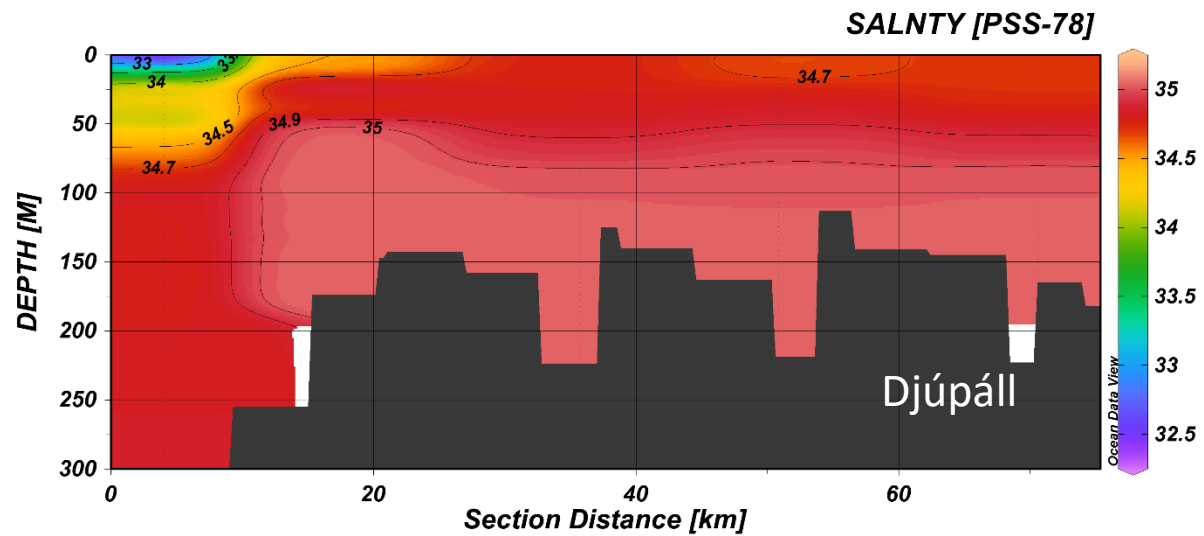
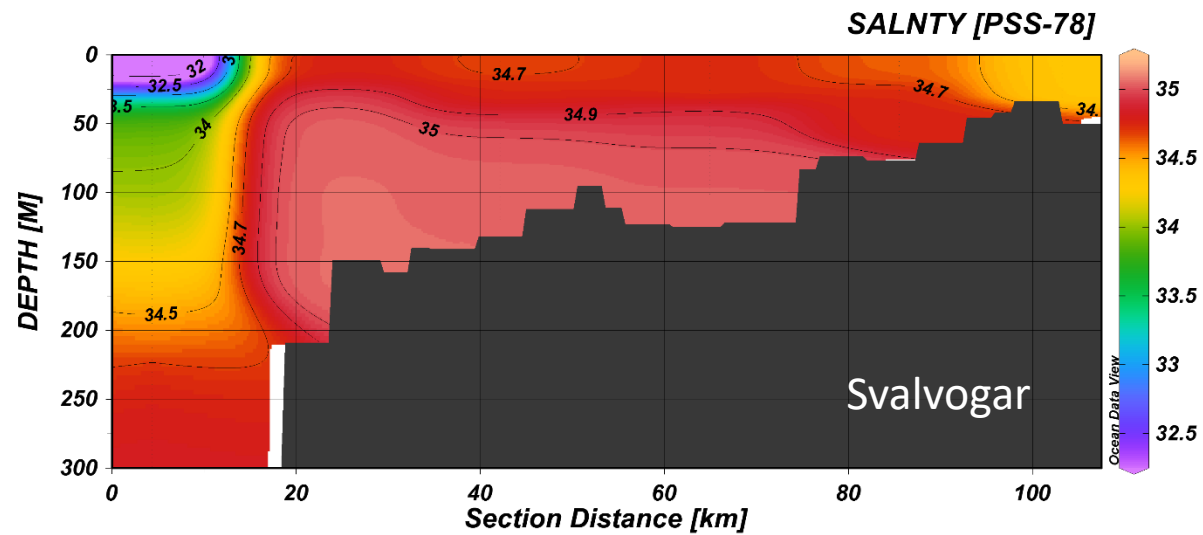
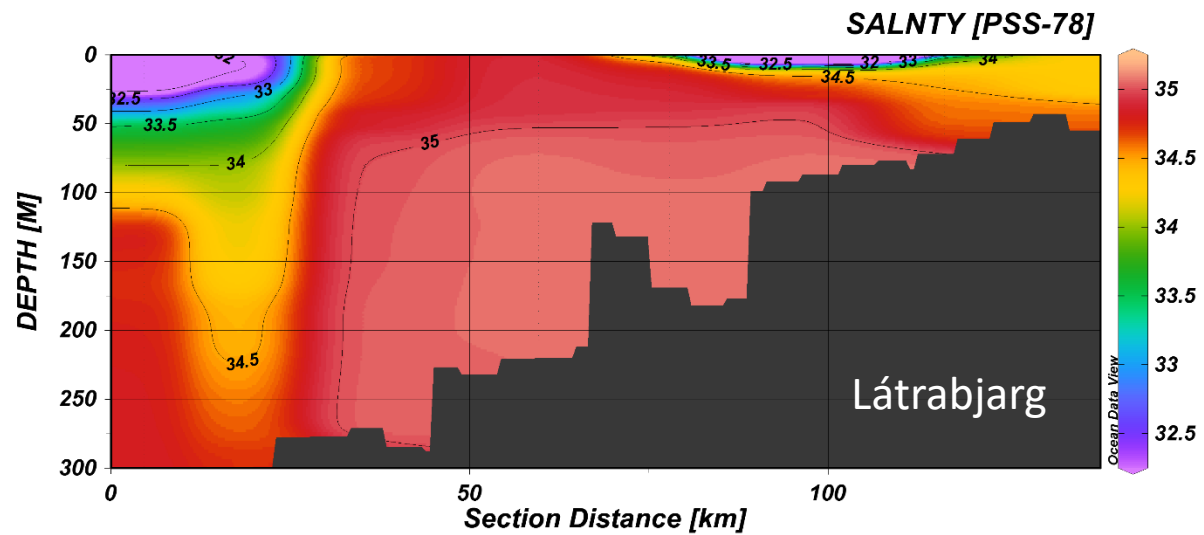


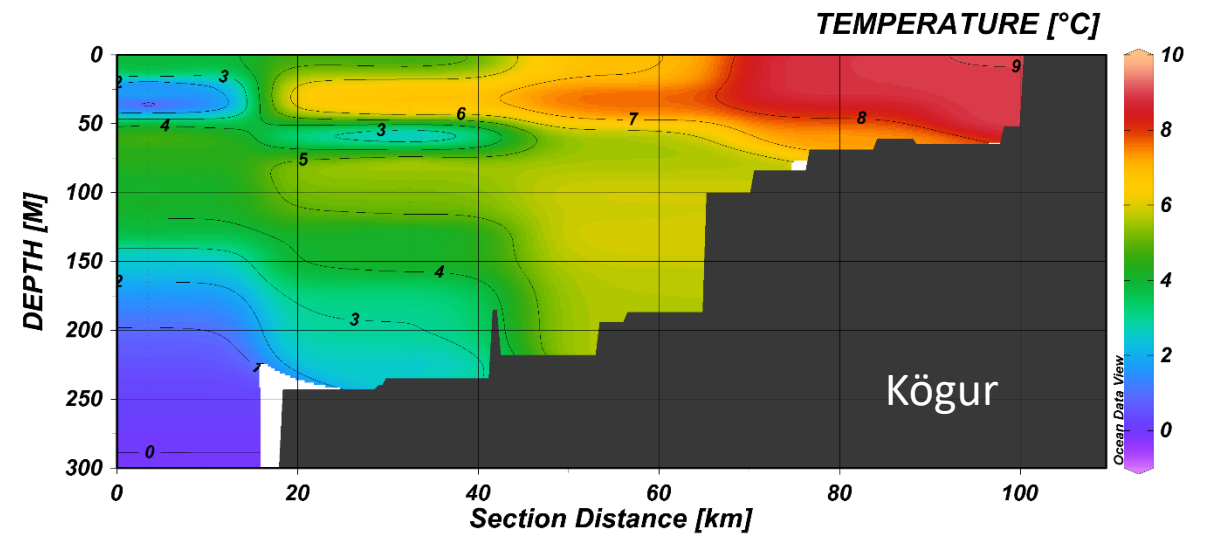
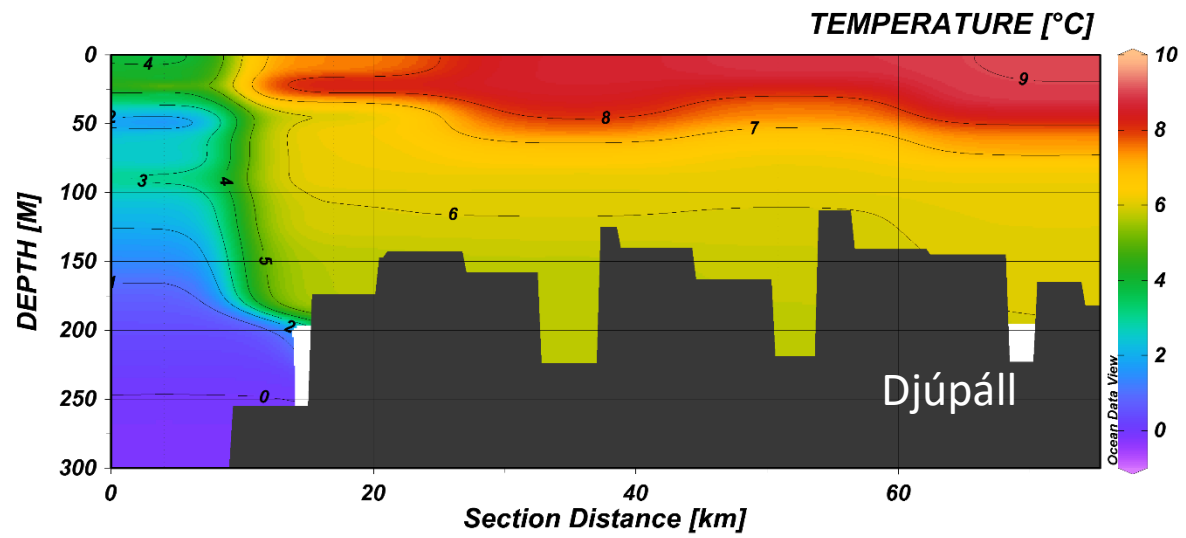
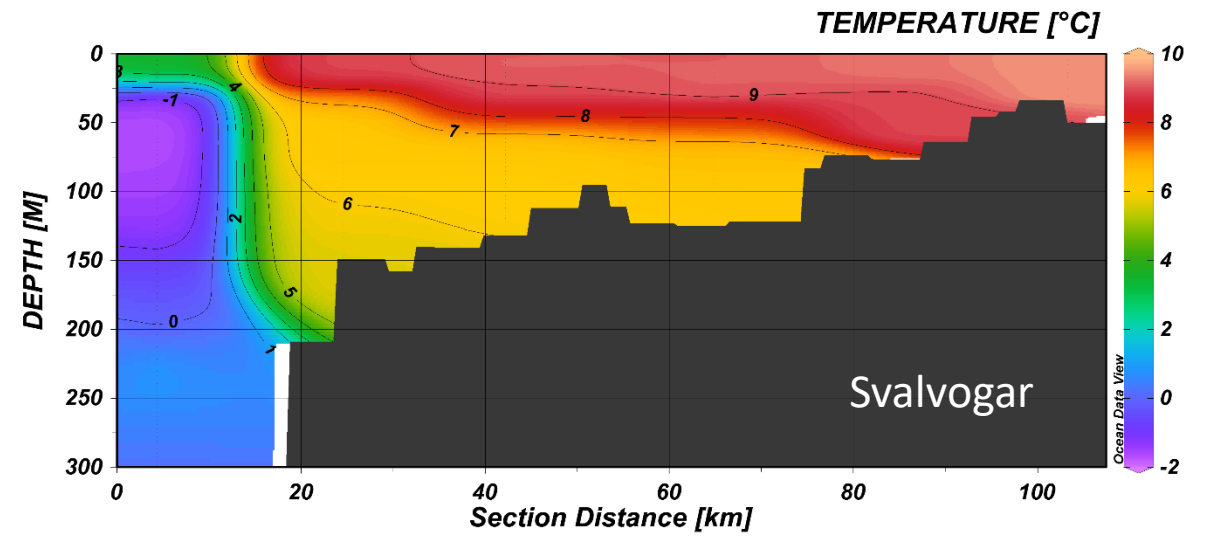
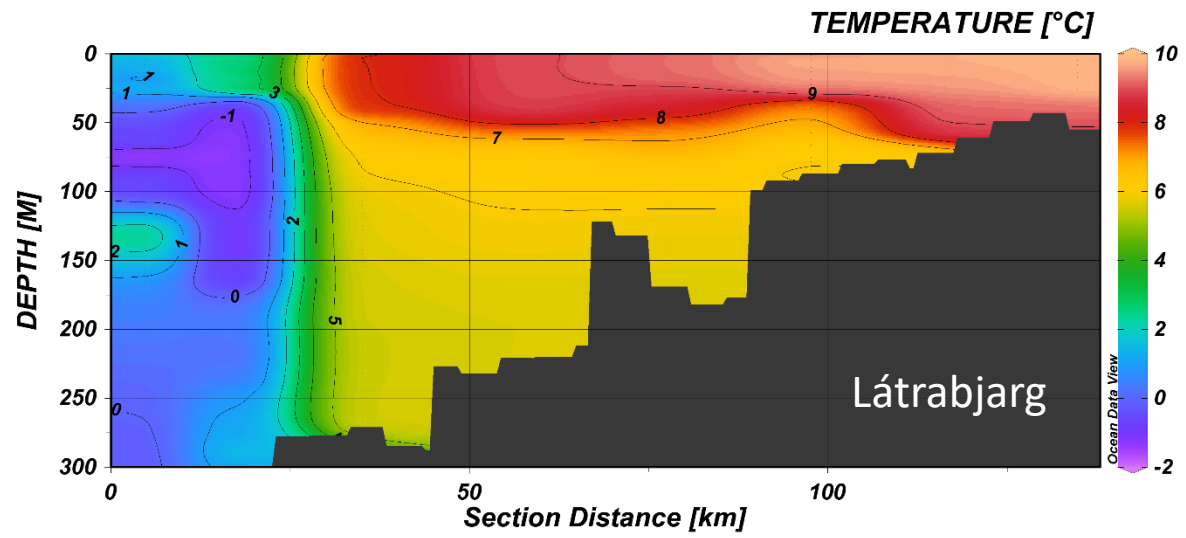


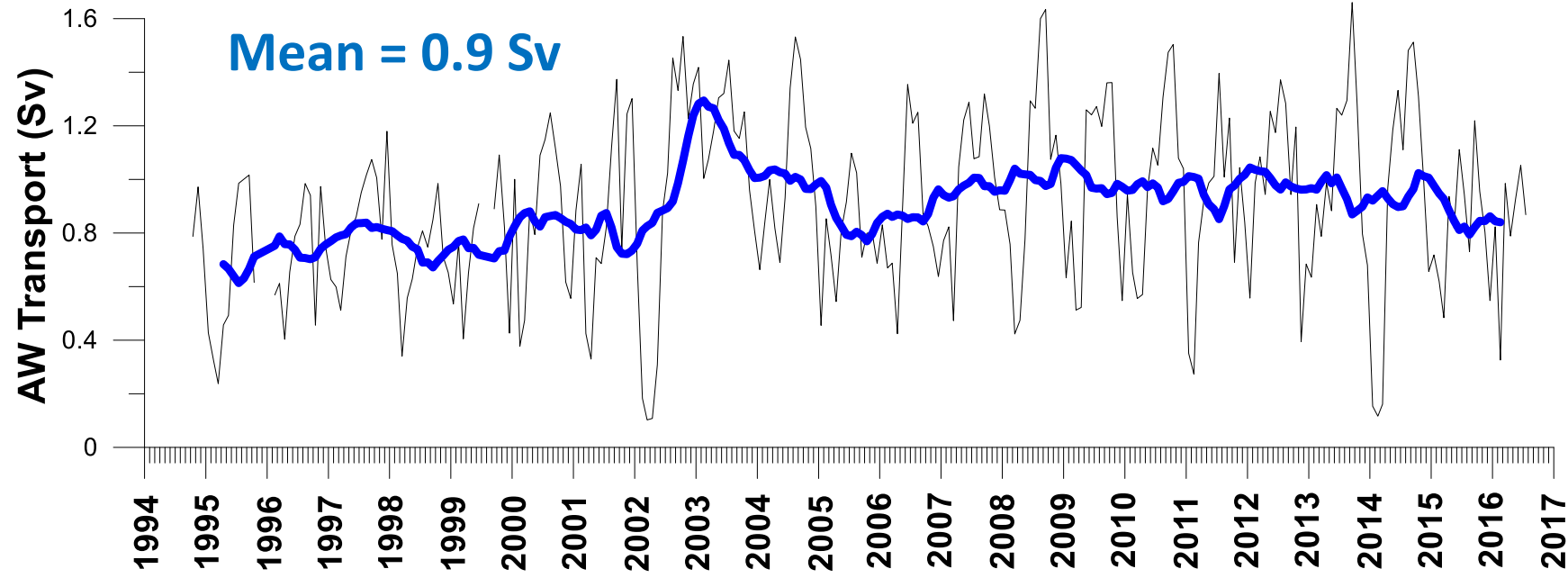
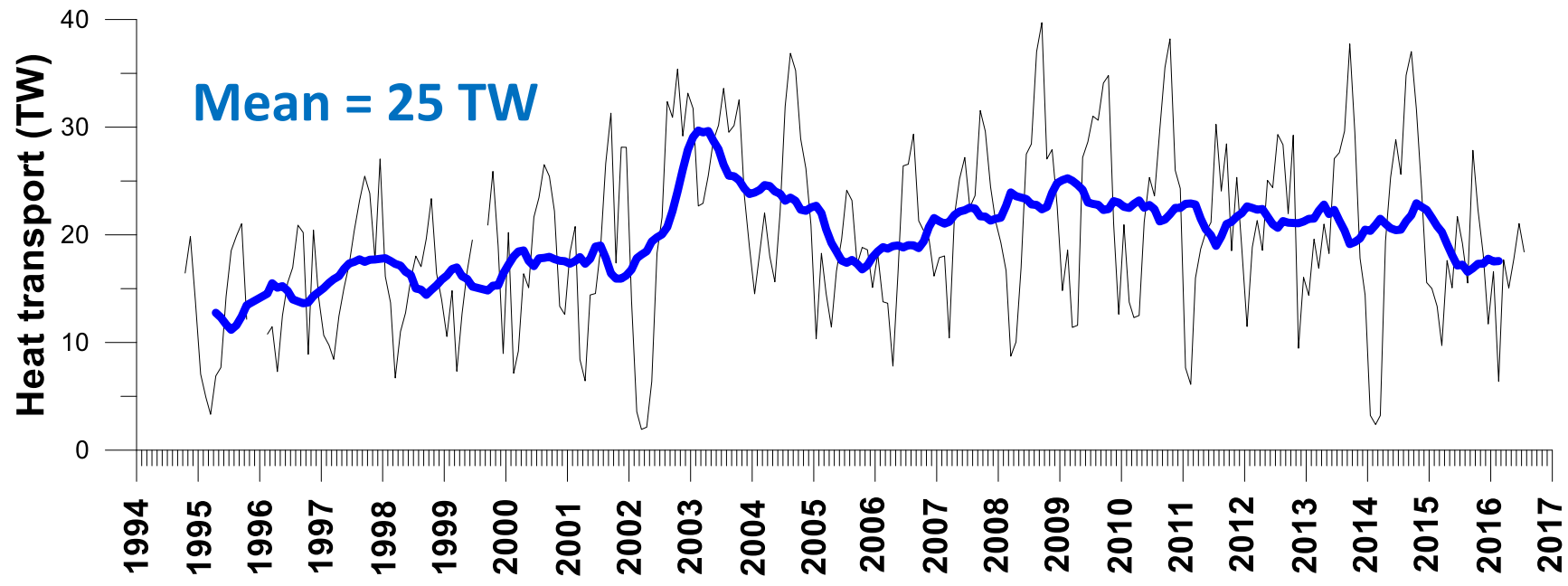


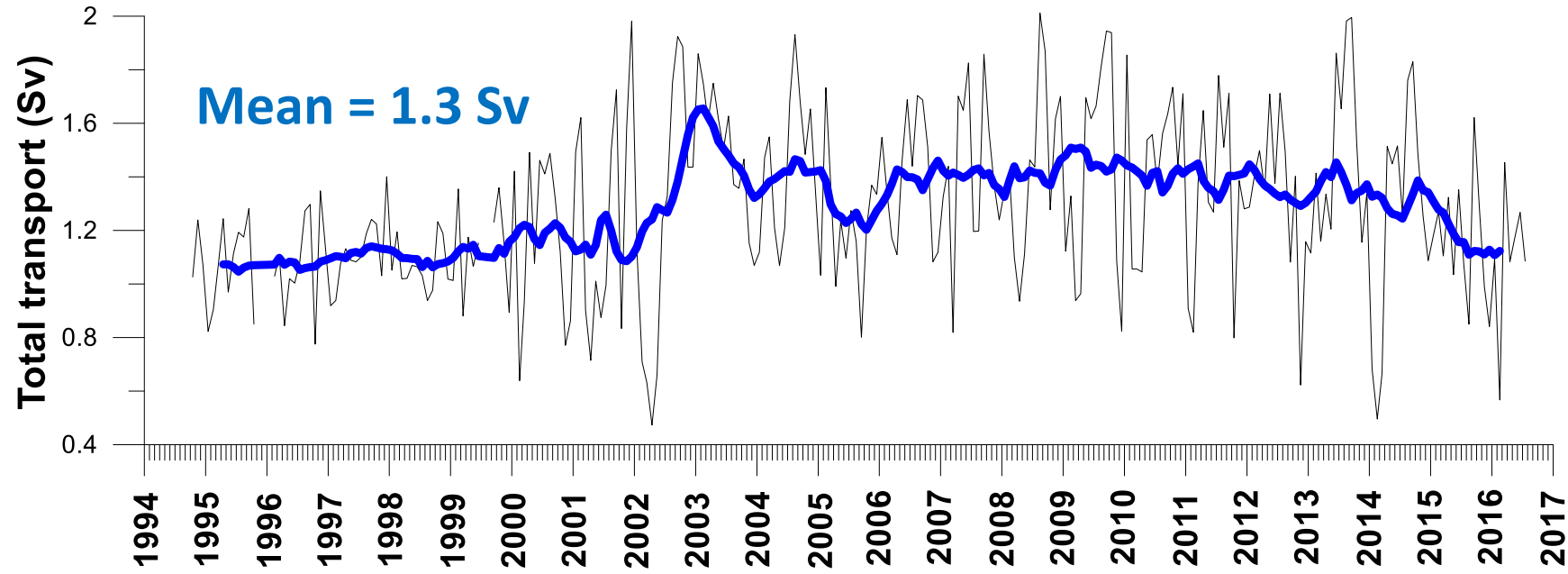
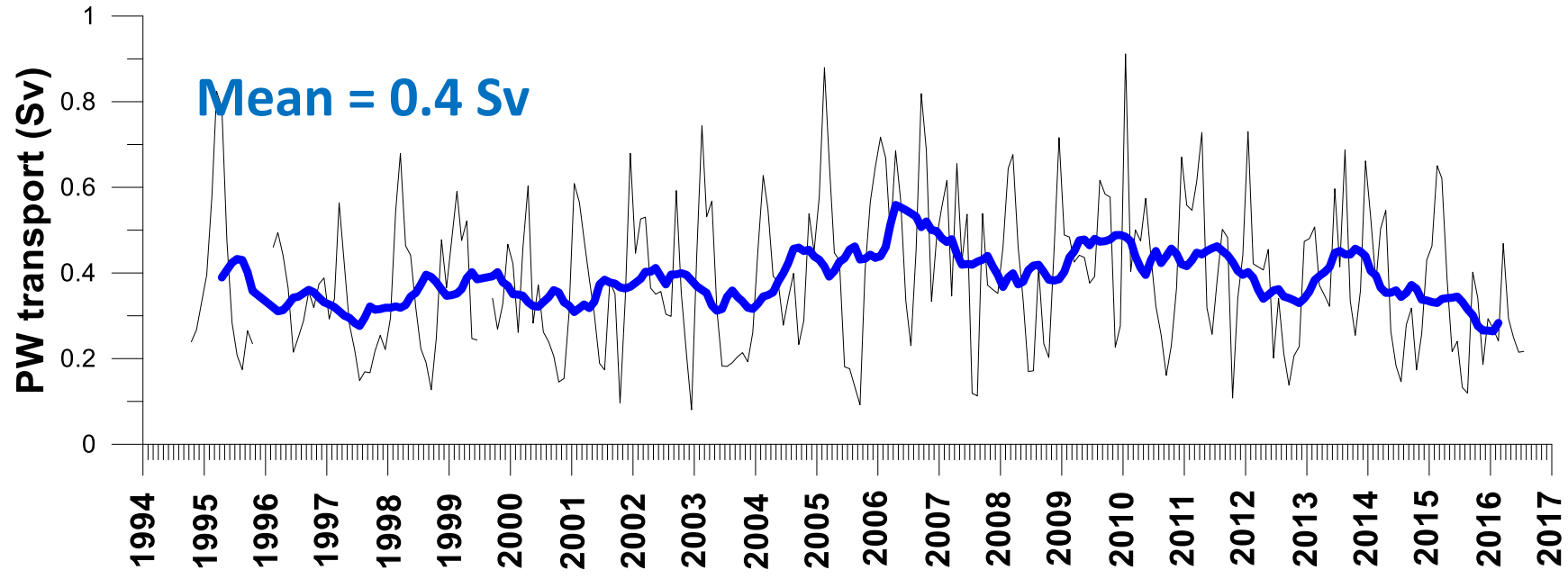


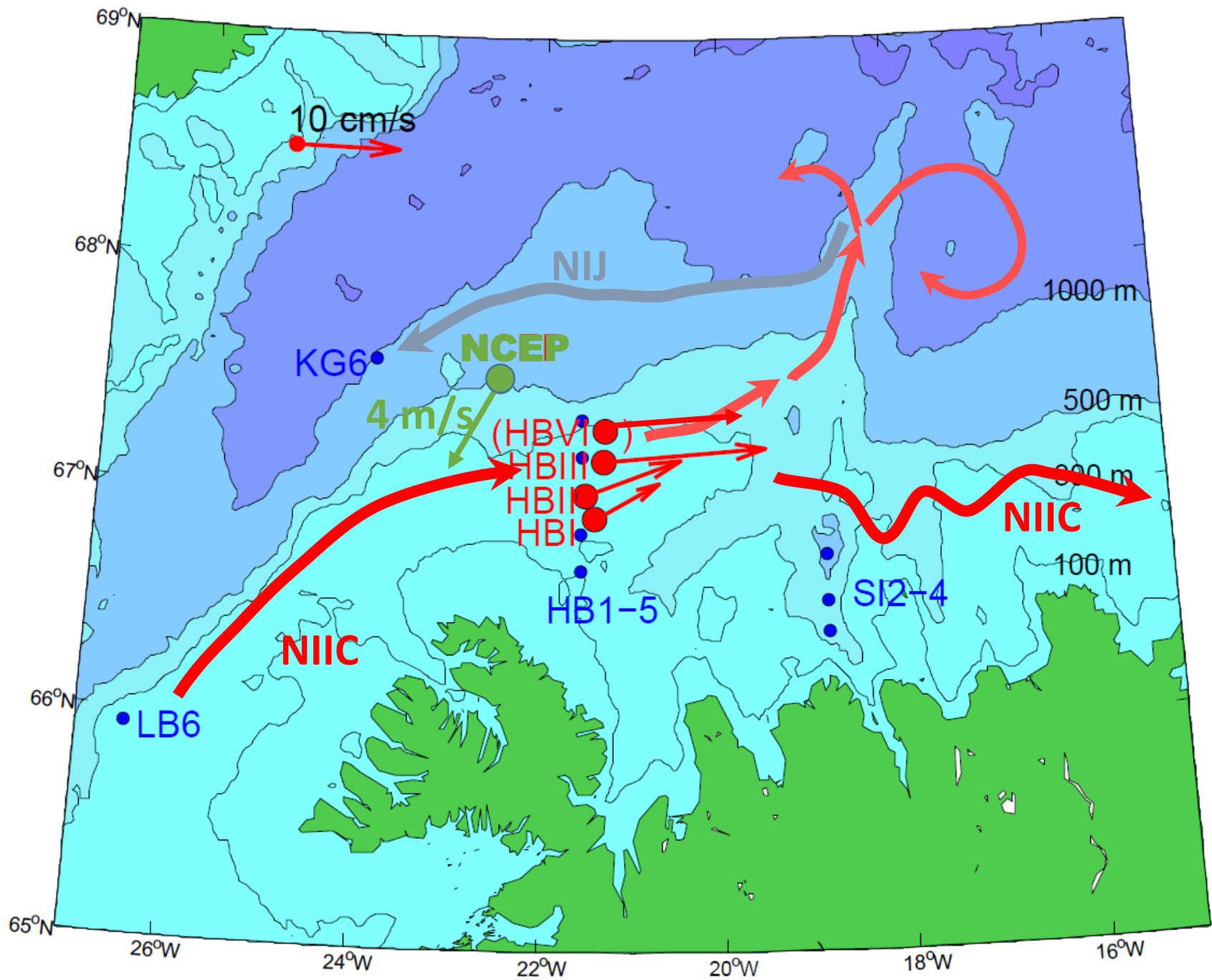


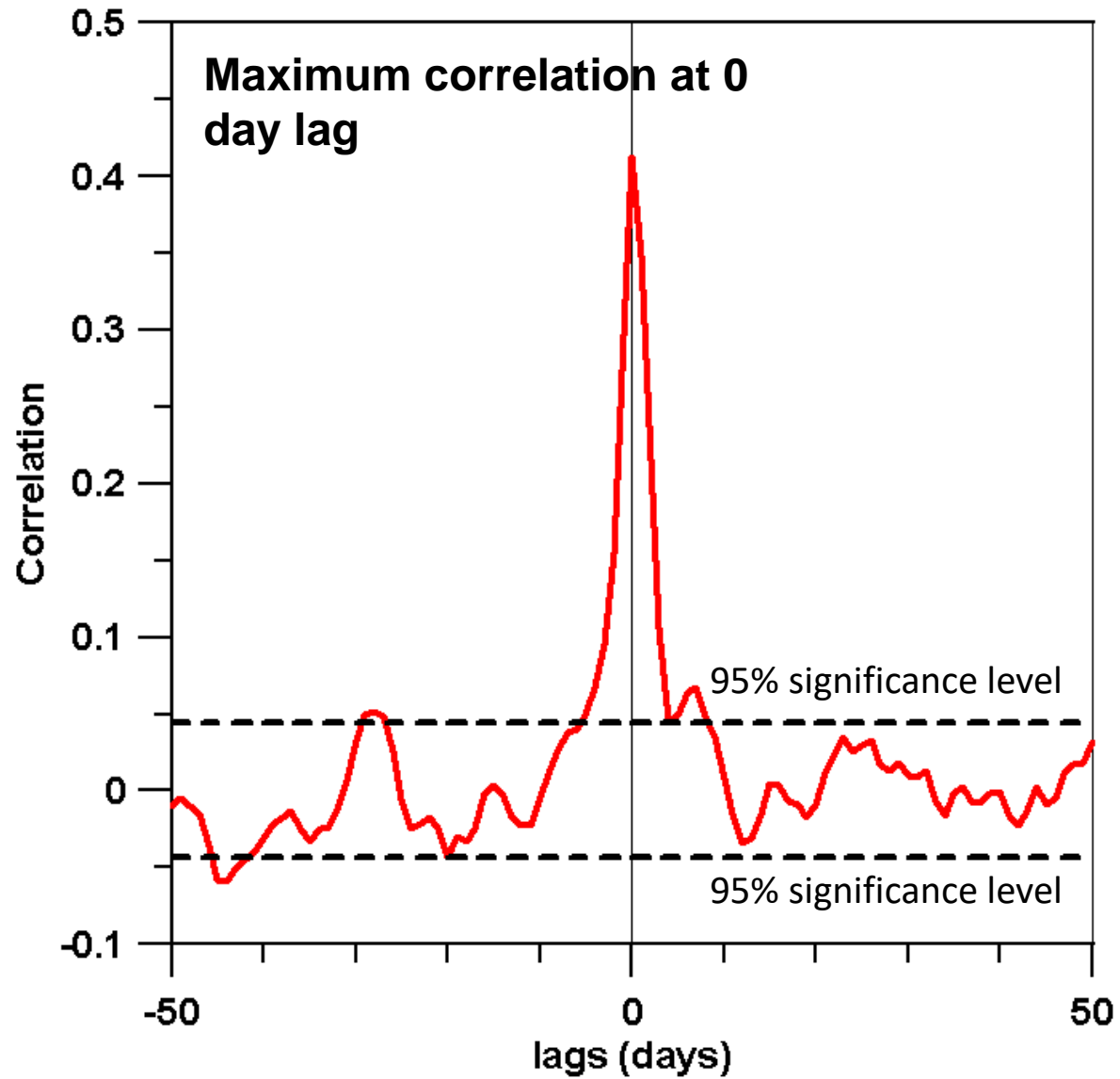




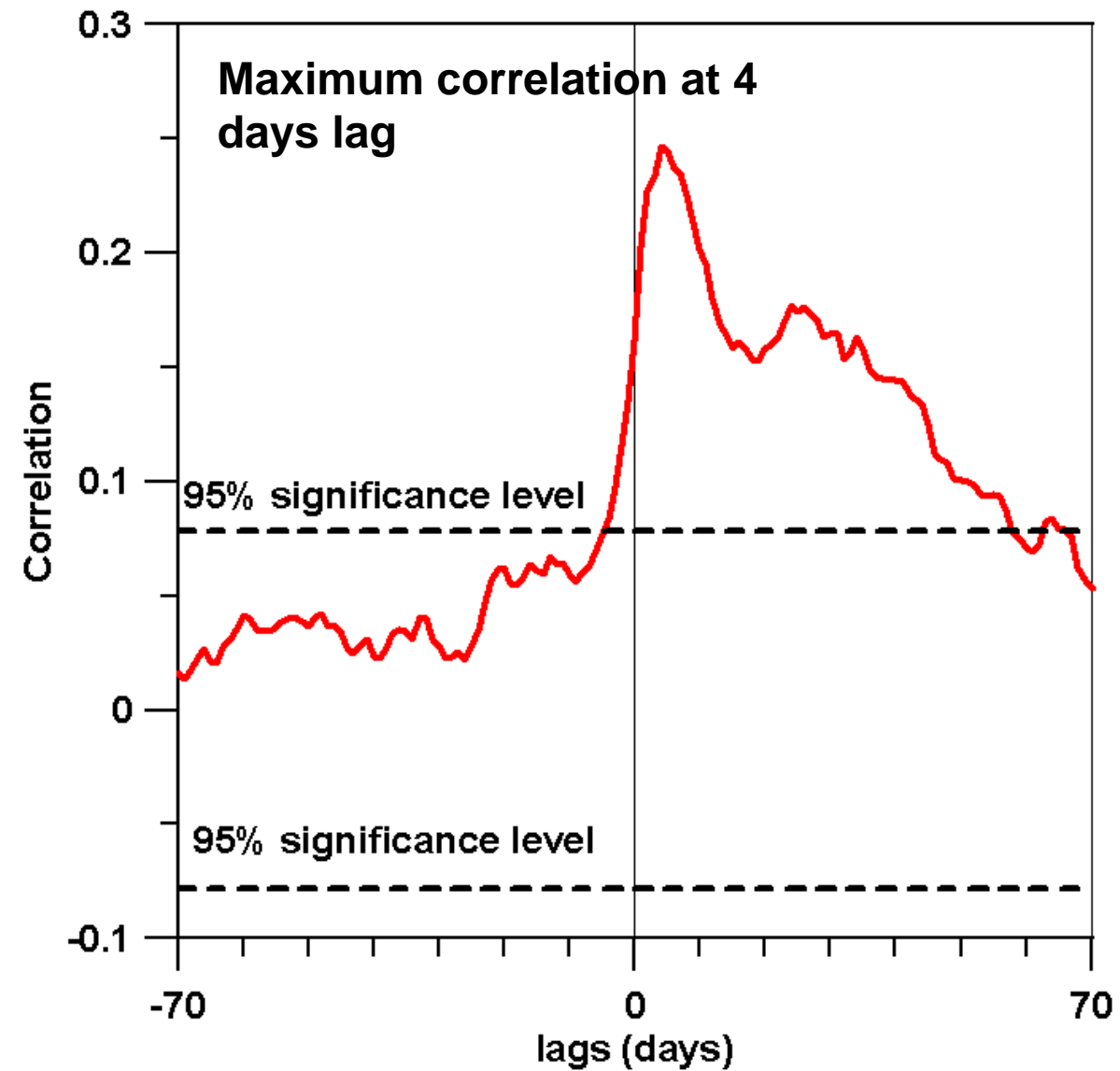
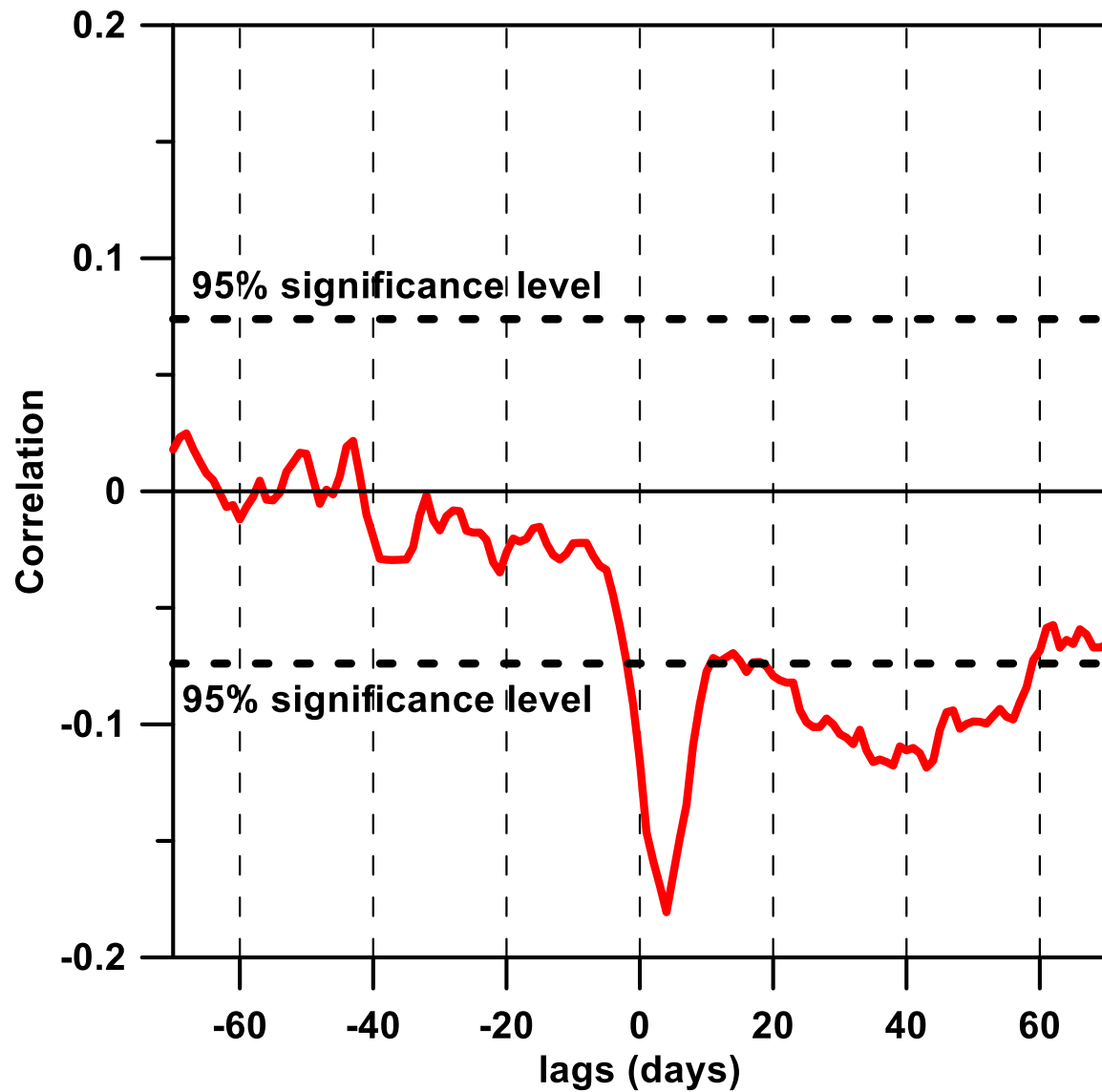




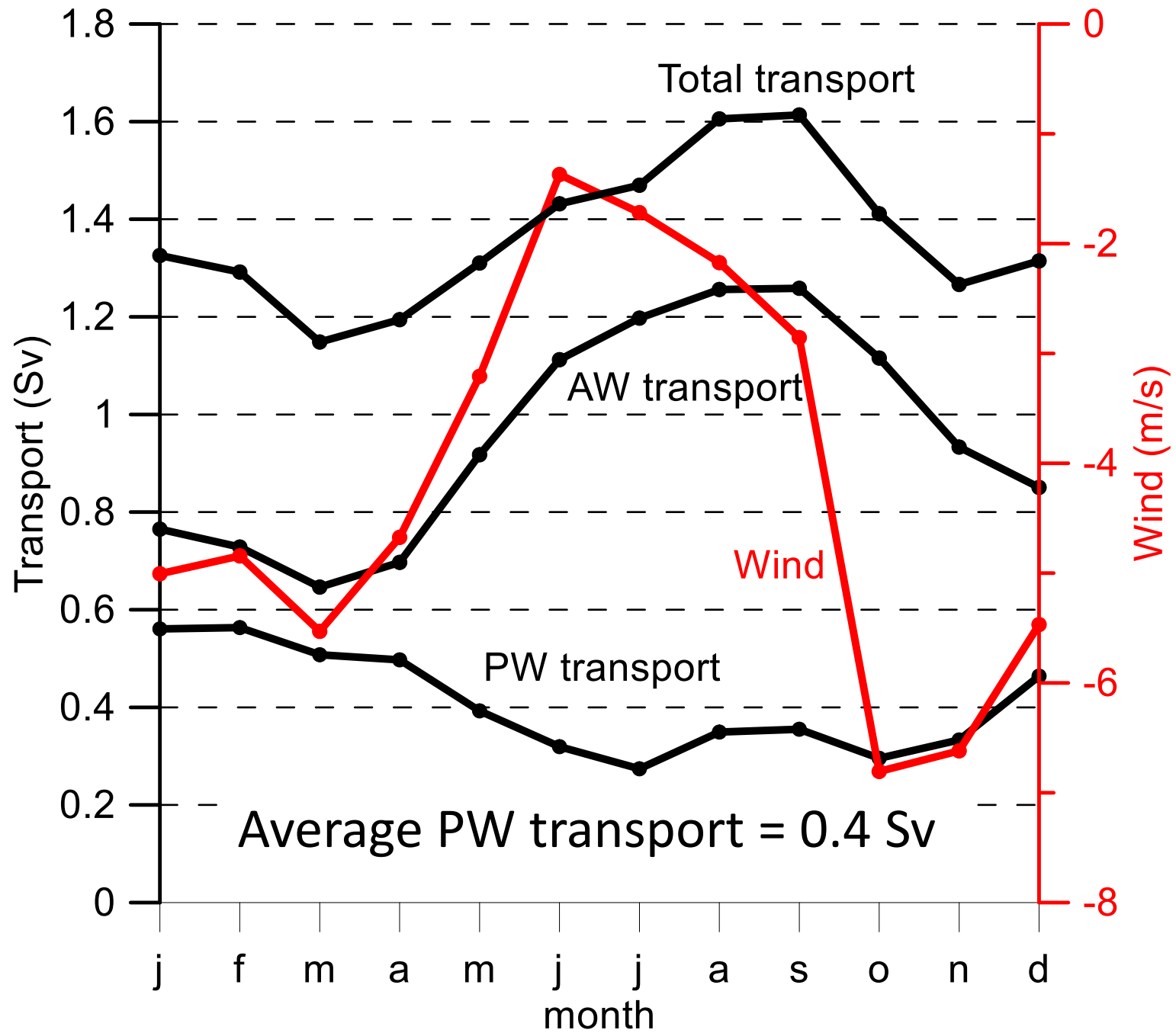


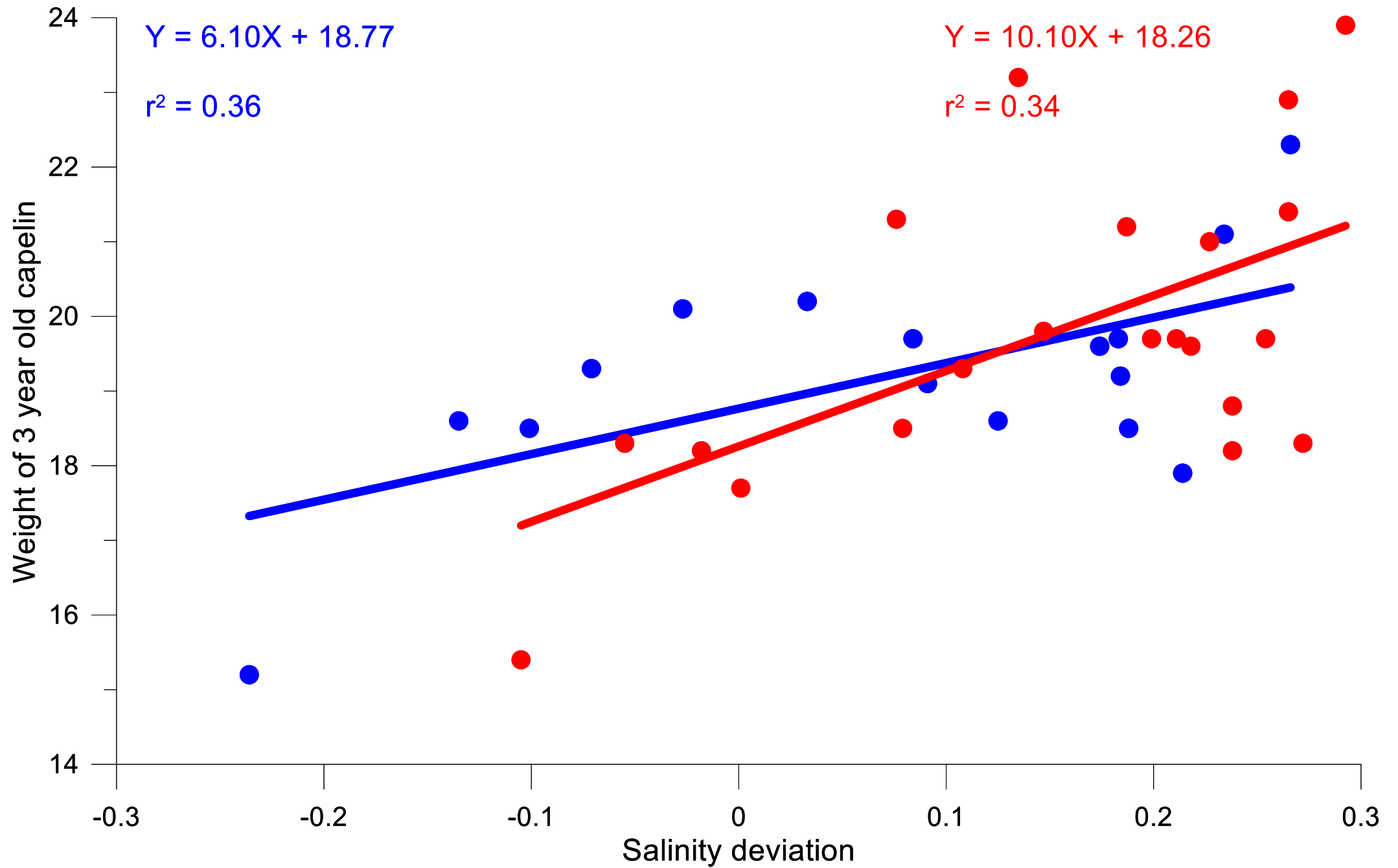


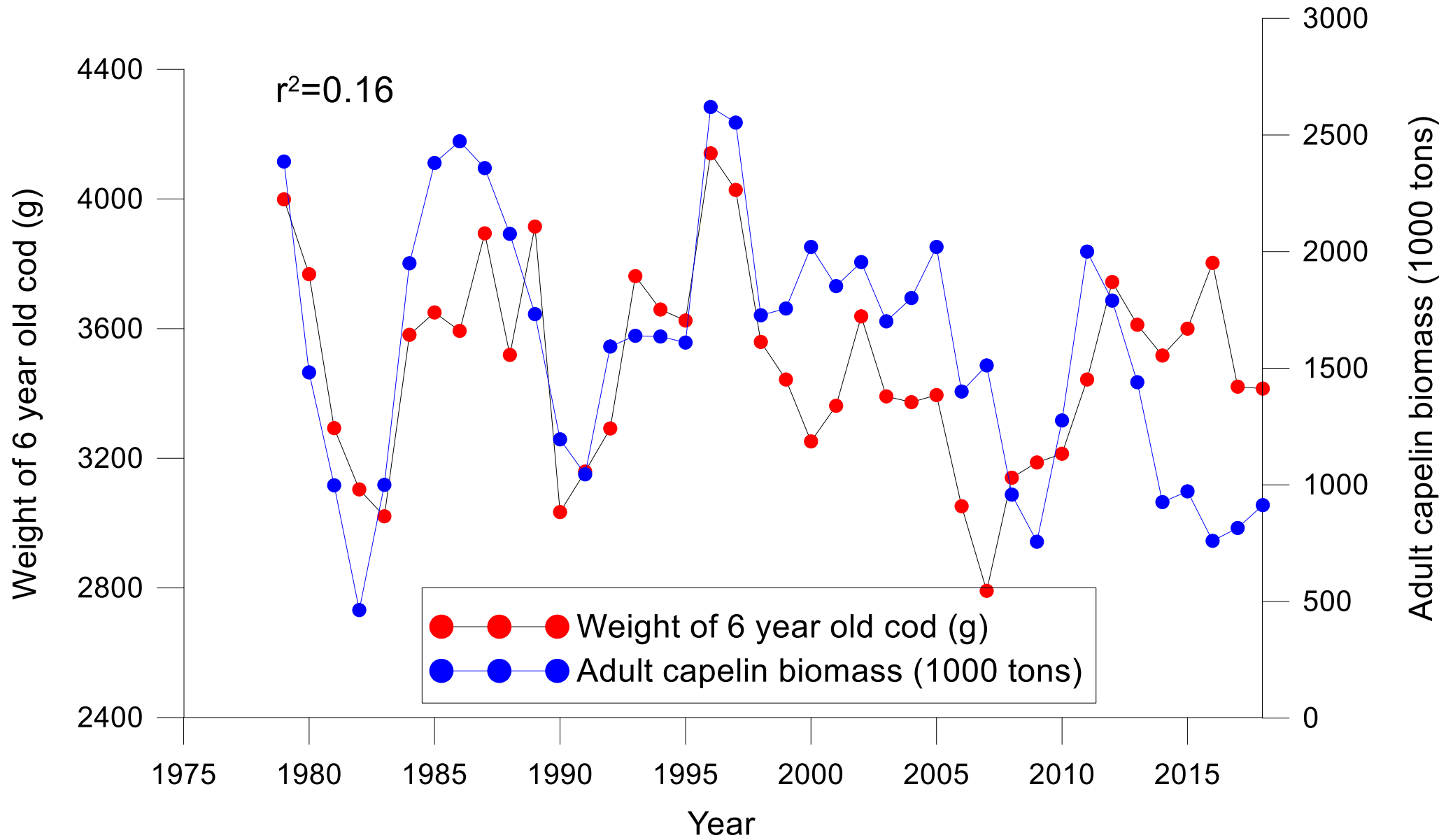
Lagged correlation between the daily E-W component of the current at HBII at 80 m depth and the north-south component of the wind at 67.5°N and 22.5°W for the period 1999-2010.



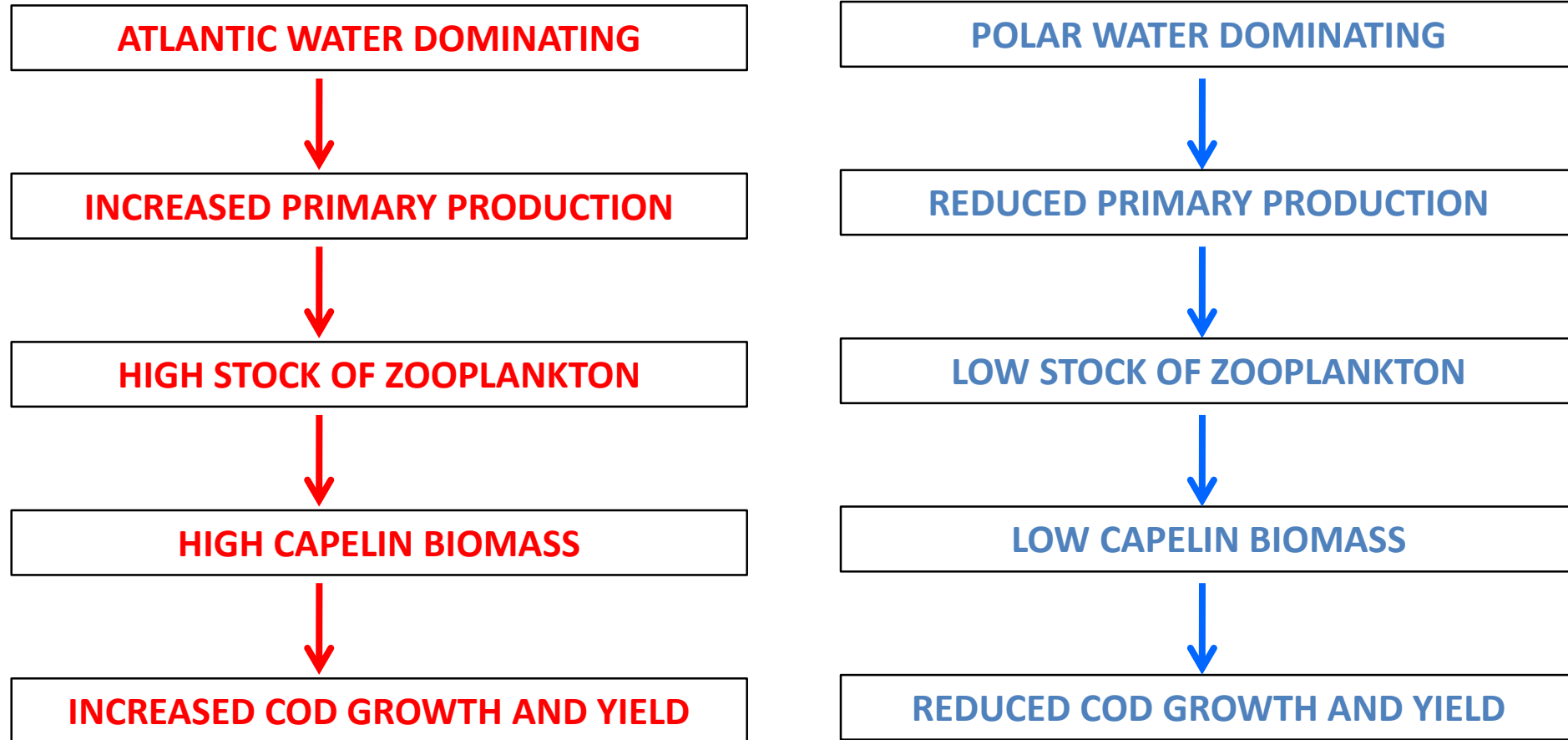
Lagged correlation between the daily proportion of PW (left) and AW (right) at HBI and the north-south component of the wind at 67.5°N and 22.5°W for the period 1999-2010.







Conceptual model of the ecosystem in Icelandic waters



Astthorsson and Vilhjálmsón (2002)