

Supplement of State Planet, 4-osr8, 8, 2024
<https://doi.org/10.5194/sp-4-osr8-8-2024-supplement>
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Supplement of

Surface and bottom marine heatwave characteristics in the Barents Sea: a model study

Vidar S. Lien et al.

Correspondence to: Vidar S. Lien (vidar.lien@hi.no)

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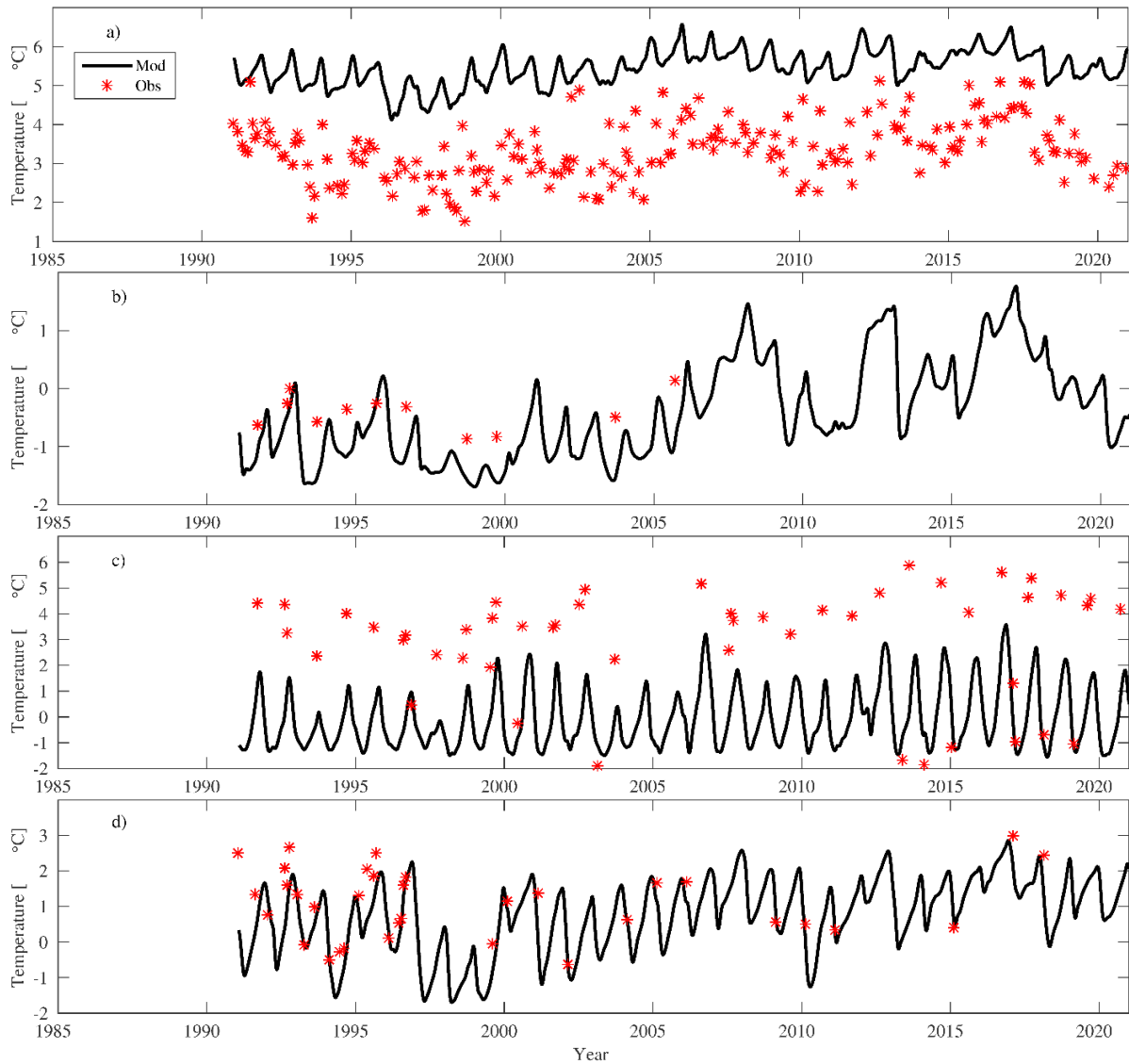
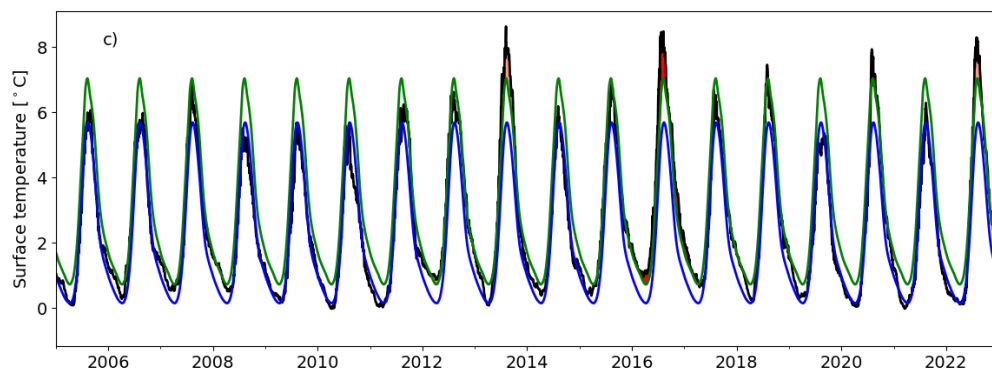
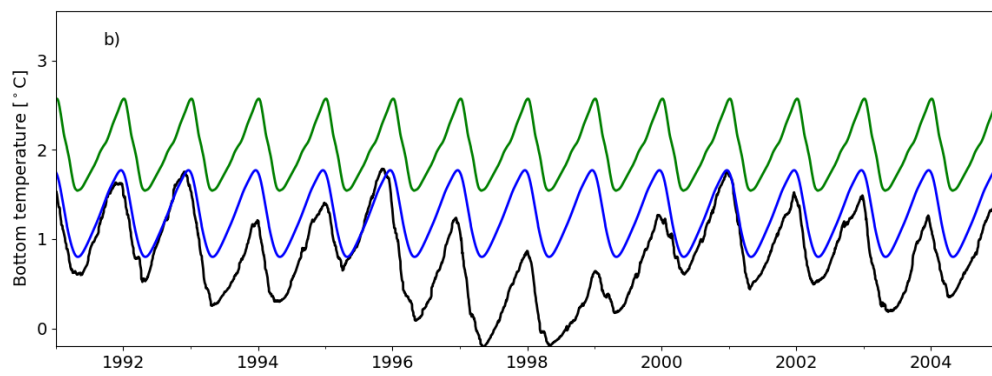
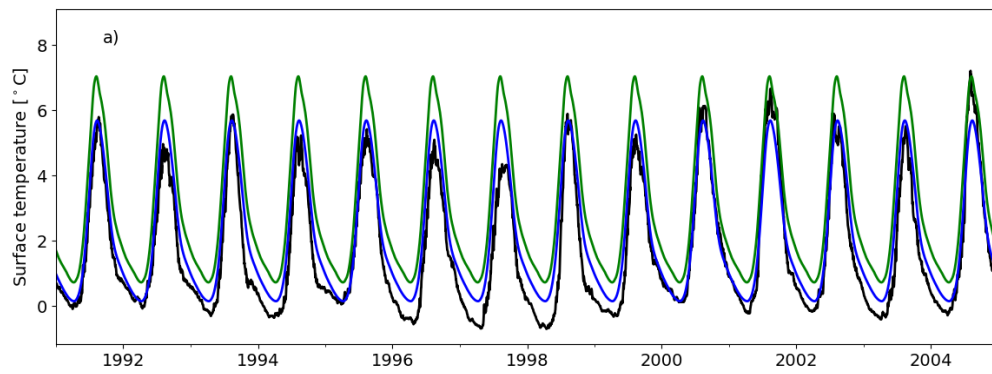


Figure S1: Comparison between modelled (black lines) and observed (red stars) bottom temperature represented by monthly averages and spatially averaged over the boxes a) Bear Island Trough; b) Northeast Basin; c) Spitsbergen Bank; d) Pechora Sea.



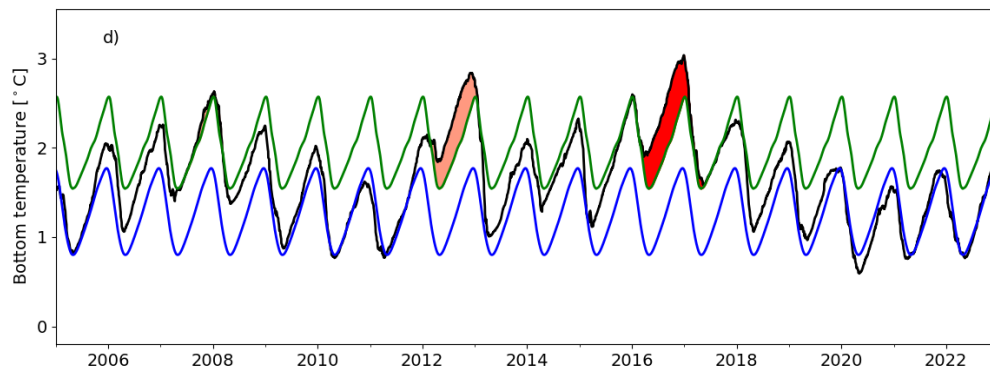


Figure S2: Time series (black lines) showing the temperature spatially averaged over the Barents Sea. Blue lines show daily climatology. Green lines show the 90th percentile. The highest intensity marine heatwave in terms of cumulative degree days for the full 1991-2022 period is shown in dark red shading. Other marine heatwaves are shown in pink shading. a) 1991-2004, surface; b) 1991-2004, bottom; c) 2005-2022, surface; d) 2005-2022, bottom. Note the different scales on the y-axes.