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Ocean Science Discussions

Interactive comment on "Storm-induced water dynamics and thermohaline structure at the tidewater Flade Isblink Glacier outlet to the Wandel Sea (NE Greenland)" *by* Sergei Kirillov et al.

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We highly appreciate the reviewer's comments and have tried to do the best to satisfy his/her request about the color scale in Fig. 6c and Fig. 7. However, the initially chosen pattern seems to represent one of the best visualization of data we could find. Unfortunately, using more saturated patterns (i.e. having wider color spectrum) sometimes results in very odd visual effects. The example of such color scale can be seen in figure 1 attached here.

The reason why it is difficult to find the optimal color scale is a large amount of vertical profiles presented in Fig. 6 and Fig. 7. It is nearly impossible to find the color scale

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that would be able to emphasize the different periods of the storm event. In fact, these figures aim to demonstrate the whole scope of TS or vertical profiles rather than the individual intrusions. The latter are shown separately in Fig. 8 where individual spikes in temperature are traced for different periods of storm.

Although we suggest that the initial color scale is more or less suitable, we have tried to find an alternative variant that would demonstrate the individual spikes more clearly. The figures with a new color scale are attached here as figure 2 and figure 3.

Interactive comment on Ocean Sci. Discuss., https://doi.org/10.5194/os-2017-60, 2017.

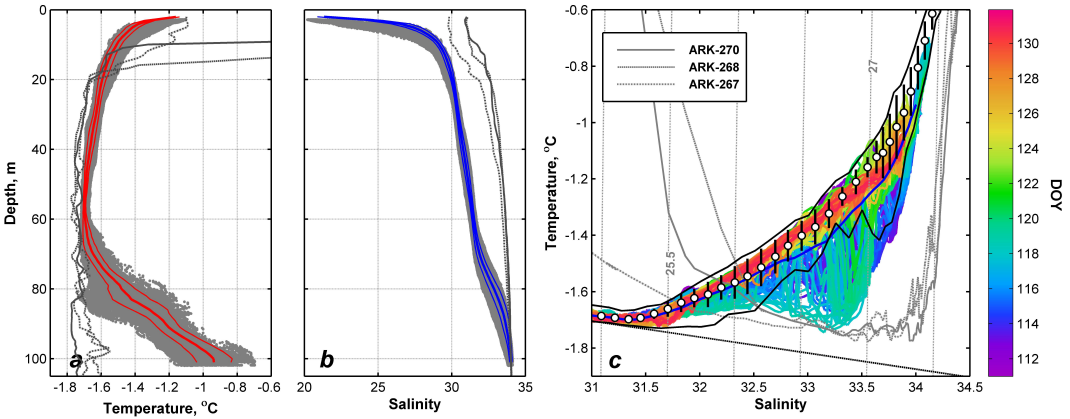

Fig. 1.

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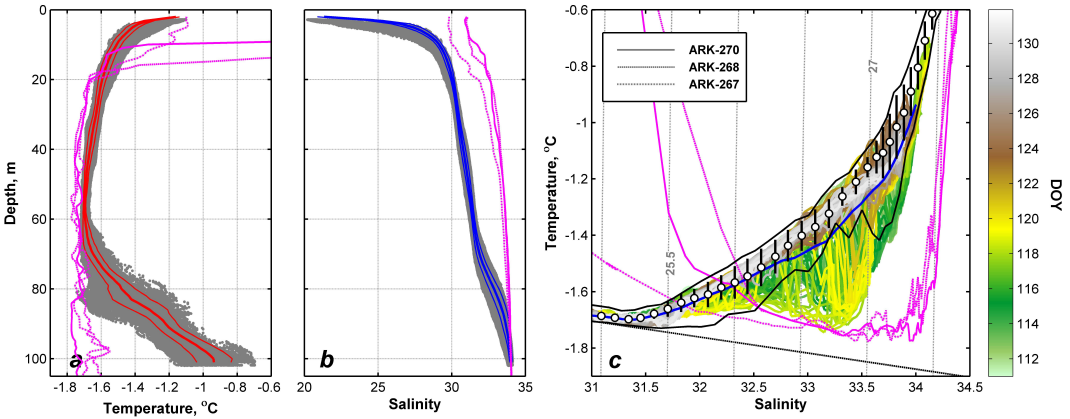

Fig. 2.

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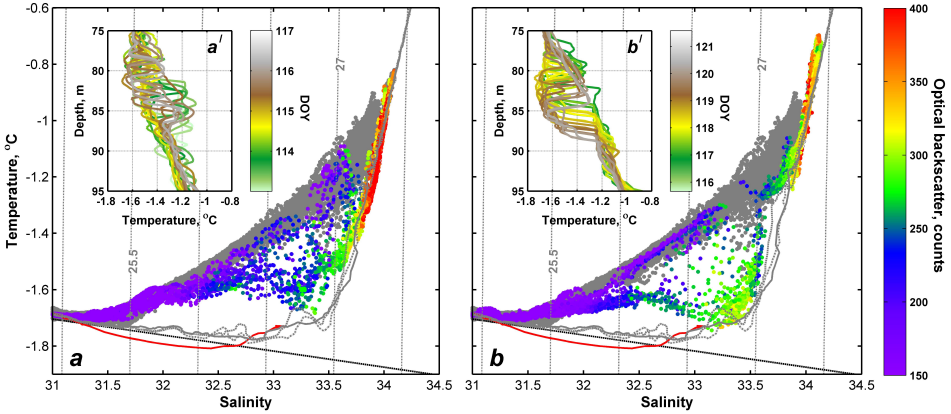

Fig. 3.

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