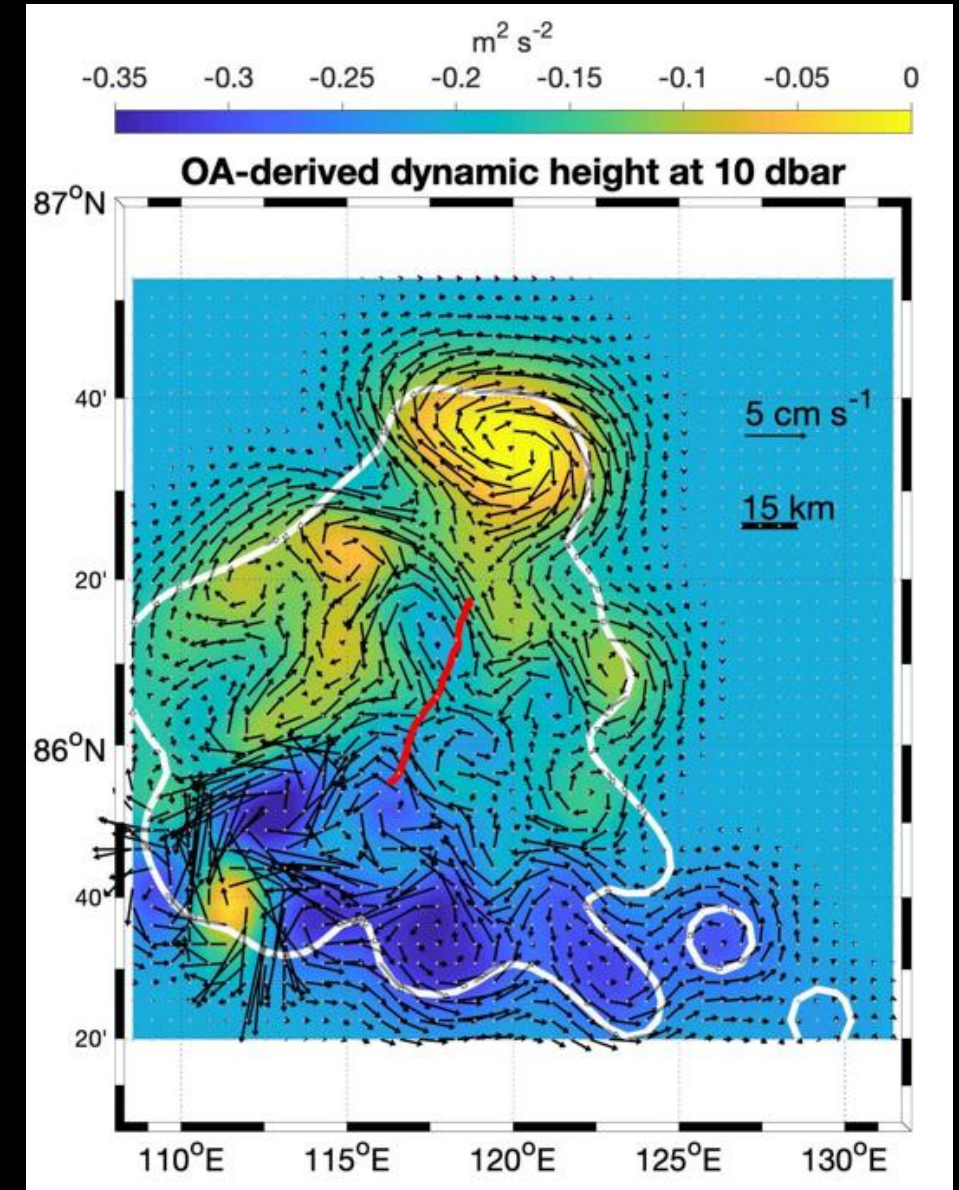


Winter upper-ocean thermohaline variability observed from drifting ice platforms in the Amundsen Basin, Arctic Ocean

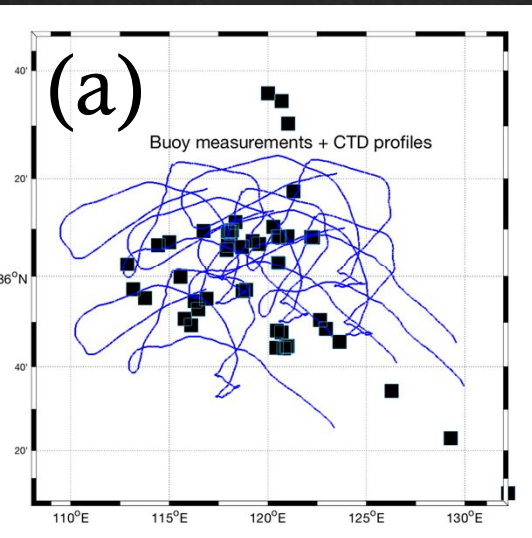
Fang, Y.-C., Rabe, B., Kuznetsov, I., Hoppmann, M.,
Tippenhauer, S., Schulz, K., Regnery, J., Janout, M.,
Rohde, J., Belter, J., Krumpen, T., and Nicolaus, M. and
the MOSAiC Ocean Team

<https://doi.org/10.5194/egusphere-egu21-3723>, 2021

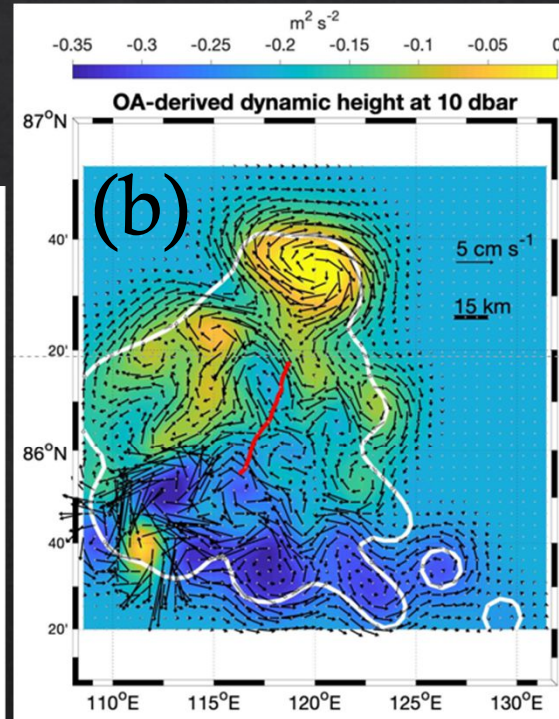


Winter upper-ocean thermohaline variability observed from drifting ice platforms in the Amundsen Basin, Arctic Ocean

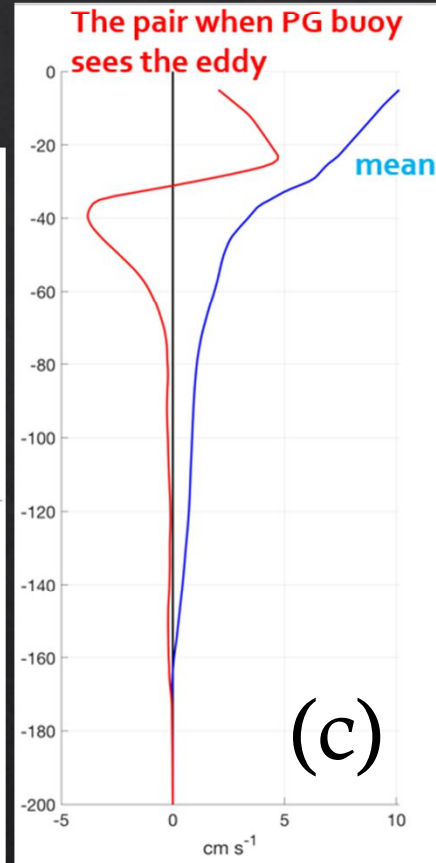
Ying-Chih Fang et al.



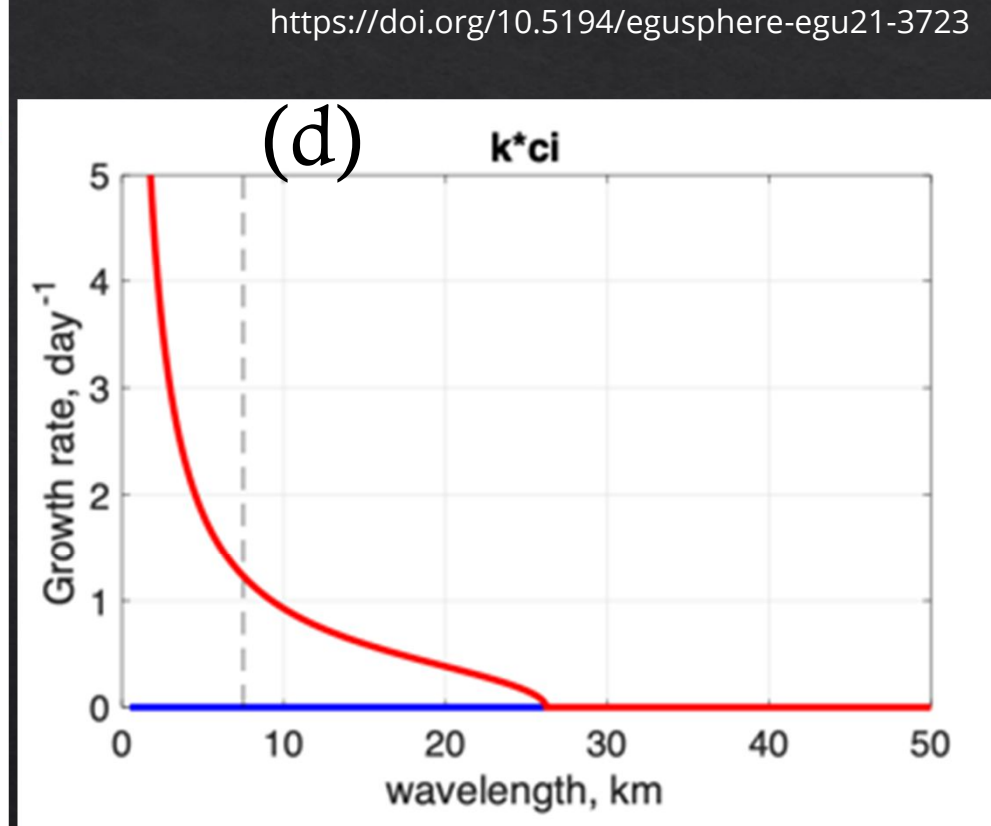
CTD + CTD-buoys observations



Reconstructed dynamic height and geostrophic flow fields (White contour denotes 50% error variance)



Geostrophic shears derived from CTD pairs



Linear stability analysis, here the instability growth rates are shown. Red line denotes the shear derived from (c) while blue line is the mean shear. Vertical dash line is the local Rossby radius.

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