Upper-ocean vertical fluxes in the Atlantic Water inflow region North of Svalbard

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New thin ice regime in summer;
- 15% more absorption in ice and melt ponds
- 45% more transmission to ocean below

Ice-Ocean Boundary Layer dynamics;
- Keels enhance downstream mixing by 50%
- Shallow stratification; compressed Ekman layer
- Large local variability (floe-lead) + AW depth

N-ICE2015
RV Lance will be frozen into the drift ice for 6 months

New time series covering AW inflow

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