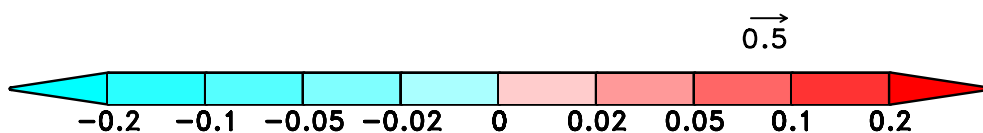
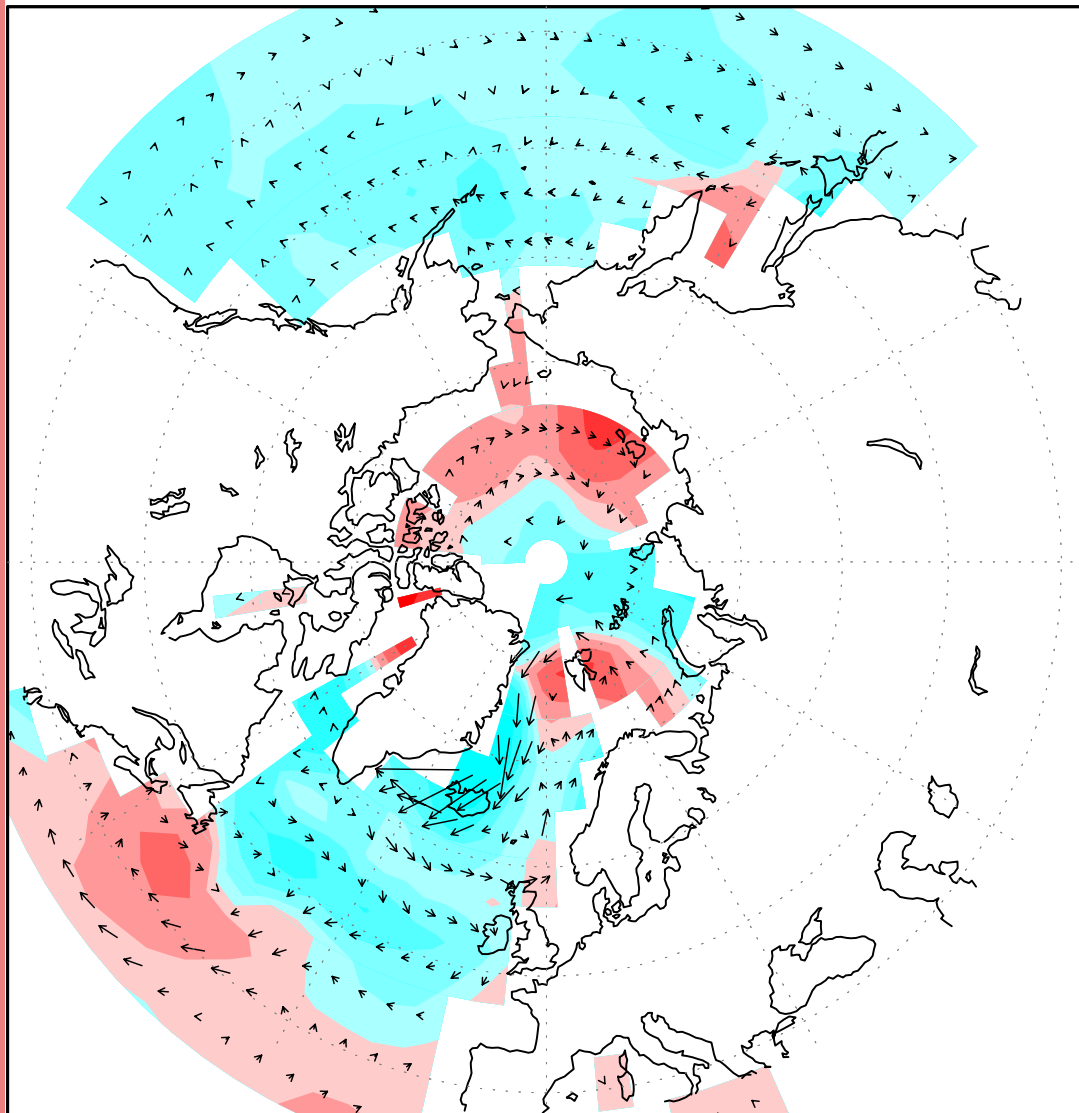


Thermohaline Circulation and Arctic Sea Ice

Lag 0



Anomalous surface currents (vectors) and sea surface salinity (SSS; shading) at the time of coldest temperatures in the Denmark Strait. Prior to the phase of the oscillation depicted here, there was a buildup of fresh water in the Arctic. This fresh water then exited the Arctic through Fram Straits and the East Greenland Current, leading to an anomalously fresh Greenland Sea. Associated with this was a strengthening of the model East Greenland current (Delworth, T.S., S. Manabe, R.J. Stouffer, 1997, *Geophys. Res. Lett.*, 24, 257-260).