Polynyas, Ice Factories, Under-Waterfalls ...

Kick-starting the World's Ocean Engine

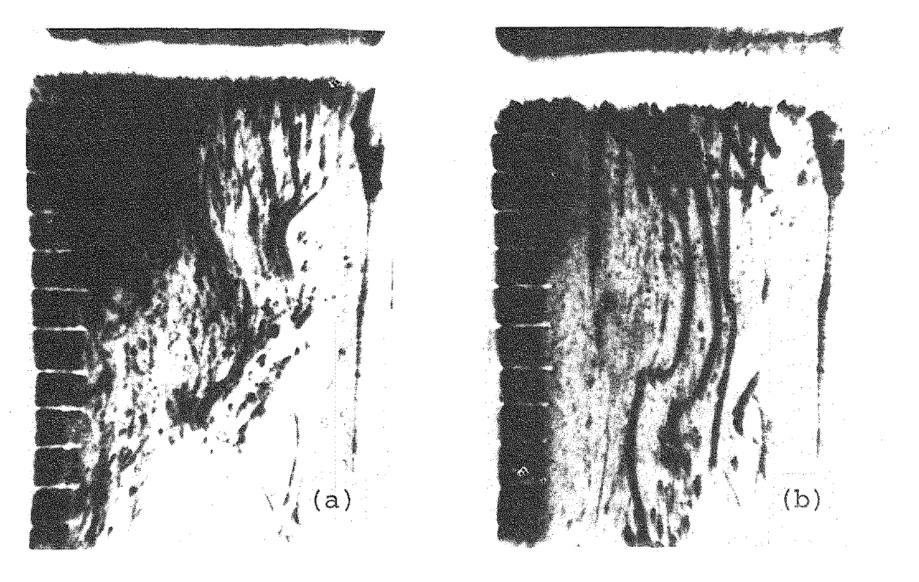
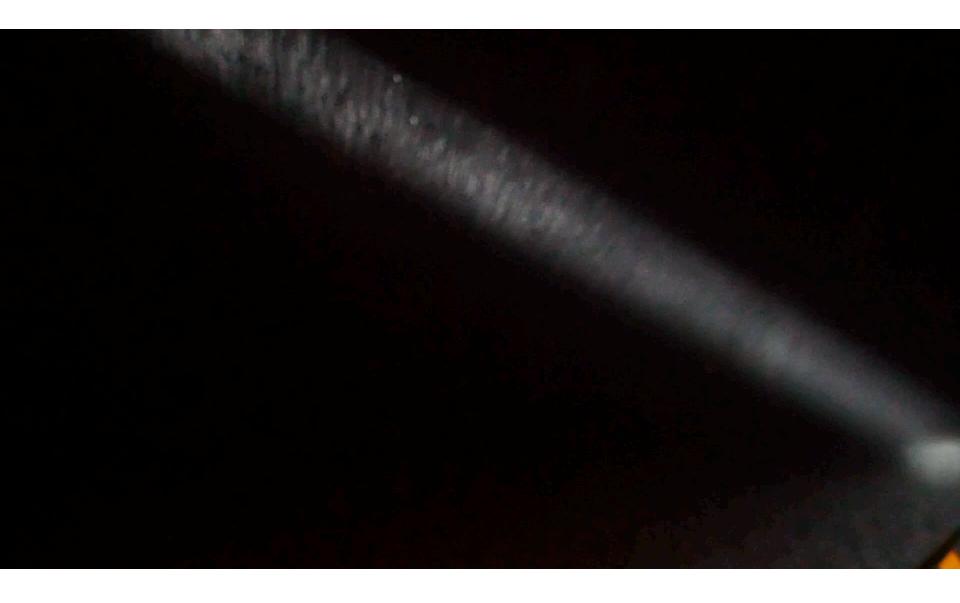


Fig. 18 Schlieren photographs of brine filaments falling from the front of growing sea ice into the underlying seawater at (a) a higher (about 0.51 cm · h⁻¹) and (b) a lower (about 0.32 cm · h⁻¹) growth rate. The upper horizontal bright part is the growing sea ice. A scale of 2-cm interval is indicated on the left.

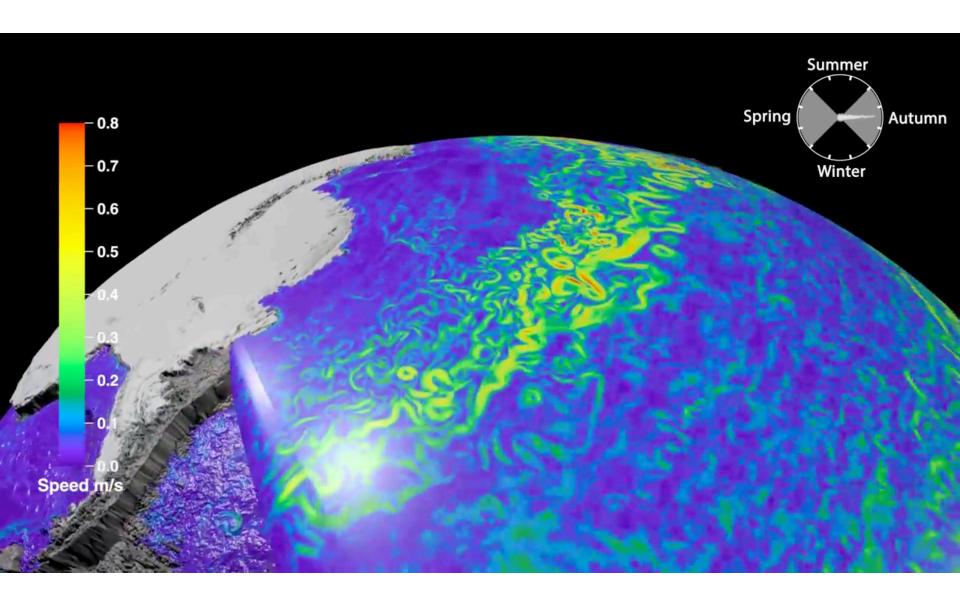
Wakatsuchi and Ono, Journal of Geophysical Research, 88, C5, 2943-2951, 1983



Storm at Mawson Hut / Frank Hurley, 1911-1914, State Library of New South Wales.



Circulation of the Southern Ocean: Antarctic Bottom Water Formation



The Thermohaline Circulation (The Great Ocean Conveyor Belt)



NASA - https://www.youtube.com/watch?v=3niR_-Kv4SM