

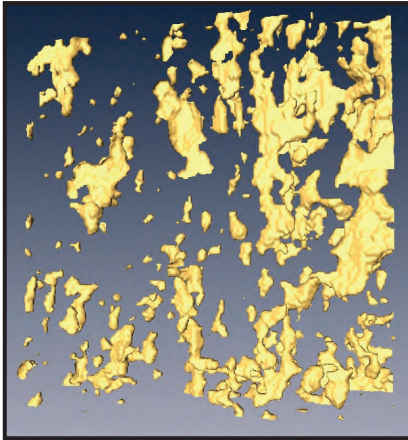
Sea Ice is a Multiscale Composite Material

microscale

brine inclusions

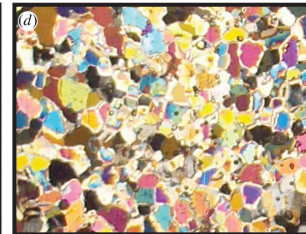
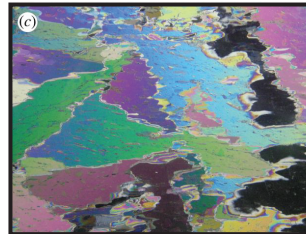
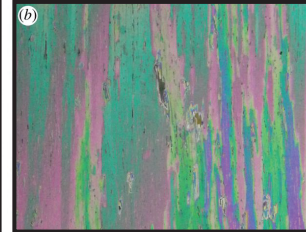
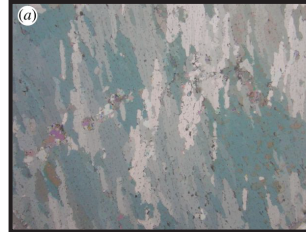


Weeks & Assur 1969



H. Eicken
Golden et al. GRL 2007

polycrystals

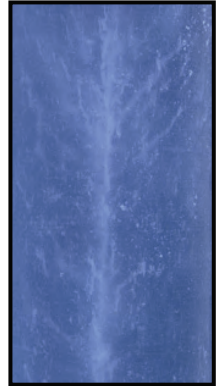


Gully et al. Proc. Roy. Soc. A 2015

brine channels



D. Cole



K. Golden

millimeters

centimeters

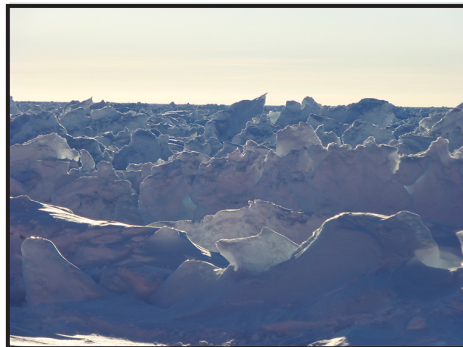
mesoscale

Arctic melt ponds



K. Frey

Antarctic pressure ridges



K. Golden

meters

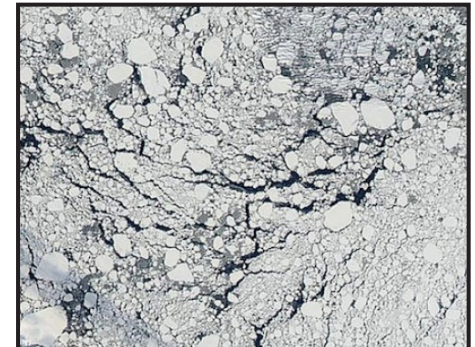
macroscale

sea ice floes



J. Weller

sea ice pack



NASA

kilometers