



## Dynamic sea ice physics in the refreezing Chukchi Sea marginal ice zone

チュクチ海の氷海再凍結時の海水変化 (2018年11月)

### A. On-ice waves propagating through dense pancake ice field

An image taken from R/V Mirai (2018) on the 14<sup>th</sup> of Nov UTC. Waves generated from strong  $\sim 18 \text{ ms}^{-1}$  winds.

### B. Coagulated pancake ice forming ice cake

Large ice cakes formed due to relatively calm winds leading up to the "A" wave event. Many ice cakes formed from pancake ice being coagulated. This image was taken on the 13<sup>th</sup> of Nov.

### C. Broken up sea ice after on-ice waves

An aftermath of on-ice waves to first-year sea ice showed up as broken up ice on the 15<sup>th</sup> of Nov UTC.



by Takehiko Nose / 野瀬毅彦  
The Uni. of Tokyo / 東京大学 大学院