

SEASONAL CYCLE AND VARIABILITY OF ARCTIC SEA ICE

TATEYAMA, Kazutaka^{2*}, SHIBATA, Hiroki², TANAKA, Yasuhiro², ALIMASI, Nuerasimuguli²

¹National Institute of Polar Research, ²Kitami Institute of Technology

Seasonal cycle is a very principal variation of sea ice change and has been studied for basic understanding of sea ice study. Recently many satellite data became available and strong variation has been reported. In the seasonal cycle, Arctic summer sea ice minimum is strong concern. This shows largest interannual variations in the annual cycle. In May and November, Arctic sea ice shows least interannual variations. There are some important turning points of ice conditions in the annual cycle. We tried to summaries resent understanding and unsolved problems, and discussed again the fundamental seasonal cycle.

Keywords: Arctic, sea ice, seasonal cycle