
Masao ISHIKAWA, Toru TAKATSUKA, Takaharu DAIBO, Kunio SHIRASAWA and Masaaki AOTA

(Institute of Low Temperature Science, Hokkaido University)

(Received January 2001)

Abstract: Distributions of pack ice in the Okhotsk Sea off Hokkaido were observed using a sea-ice radar network at every 0900 JST (Japanese Standard Time) during the whole sea-ice season. Time series of daily ice distributions during the period from 17 January to 21 April 2000 are shown in Fig. 1. In addition, pictures of radar images were taken at every three-hour interval throughout the whole sea-ice season for further studies in coastal sea-ice dynamics and movements. Time series of the daily ice concentration within about 50-km radar coverage from the coastline during the period from 1969 through 2000 is shown in Fig. 2. It appears that the daily ice concentration and period of the ice season decreased drastically since 1989.

Key words: Pack Ice, Okhotsk Sea, Hokkaido, Sea-Ice Radar Network, Radar Image, Ice Concentration

キーワード: 流氷, オホーツク海, 北海道, 流氷観測用レーダー網, レーダー画像, 濃度
Fig. 1  Distributions of pack ice in the Okhotsk Sea off Hokkaido observed by a sea-ice radar network at 0900 JST during the period from 17 January to 21 April 2000.
Pack Ice Distributions in the Okhotsk Sea

1-29

1-30

1-31

2-1

ESASHI
OHMura
OKOPPE
MOMBETSU
YUBETSU
SAROMAKO
ABASHIRI
SHARI

0 10 20 30 MILE
0 20 40 60 KM
Pack Ice Distributions in the Okhotsk Sea

2-6

2-7

2-8

2-9

ESASHI

OKIYAMA

OKOPE

MOBETSU

YUBETSU

SAROMAKO

ABASHIRI

0 10 20 30 MILE
0 20 40 60 KM
Pack Ice Distributions in the Okhotsk Sea
Pack Ice Distributions in the Okhotsk Sea
Pack Ice Distributions in the Okhotsk Sea
Fig. 2  Daily ice concentrations within about 50-km radar coverage from the coastline during the period from 1969 through 2000.