The NIPR Arctic Data Reports are published by the National Institute of Polar Research (NIPR) in Tokyo, Japan. They appear in irregular intervals and contain field data acquired in the Arctic region. Japanese activities on the Arctic research are being developed in the atmosphere, cryosphere, hydrosphere, lithosphere, biosphere and other natural environments. The data reports will contribute to the progress of Arctic researches.

Editorial Board

Editor-in-chief: HIRASAWA, Takeo National Institute of Polar Research (NIPR) EJIRI, Masaki NIPR Editors: FUJII, Ryoichi Nagoya University FUKUCHI, Mitsuo NIPR HIROI, Yoshikuni Chiba University KAMINUMA, Katsutada NIPR KOBAYASHI, Shun'ichi Niigata University KOJIMA, Satoru Toyama University MATSUDA, Osamu Hiroshima University NAITO, Yasuhiko NIPR ONO, Nobuo NIPR SATO, Natsuo NIPR SHIBAZAKI, Kazuo Kokugakuin University SHIMIZU, Hiromu Fuji Women's College SHIRAISHI, Kazuyuki NIPR TAKAOKA, Nobuo Kyushu University WATANABE, Okitsugu NIPR WATANUKI, Kunihiko Rissho University YOSHIDA, Yoshio Rissho University Executive editor: KAMIYAMA, Kokichi NIPR

> Copyright 1996 by the National Institute of Polar Research 9–10, Kaga 1-chome, Itabashi-ku, Tokyo 173