

ASSW 2013
krakow, Poland

Chinese Arctic Cruises during 2012-2013

Jianfeng He

Polar Research Institute of China

2013.04.14

Outline

- Cruise in 2012
- Cruise in 2013

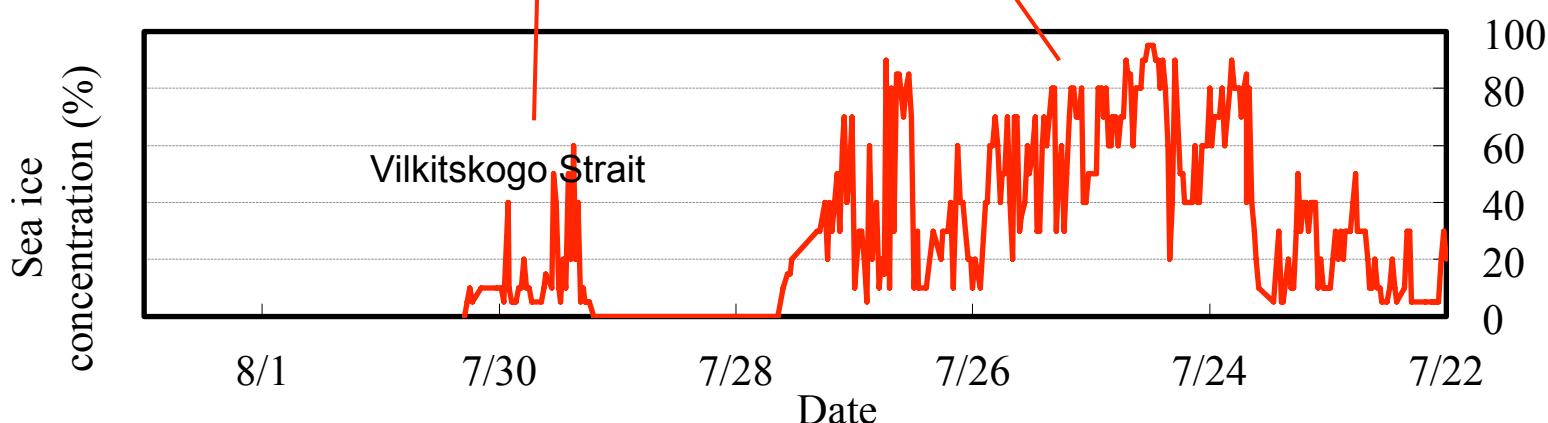
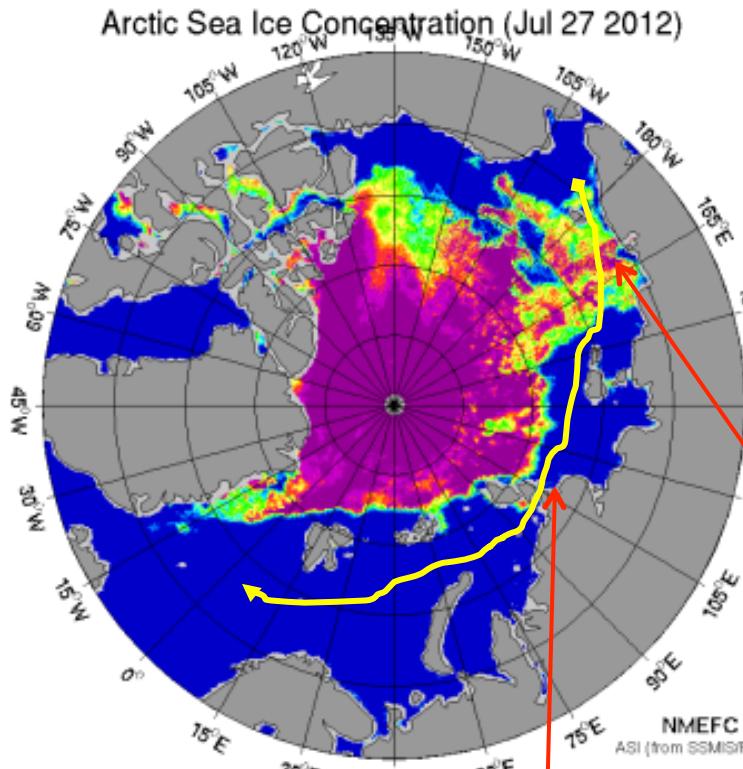
Outline

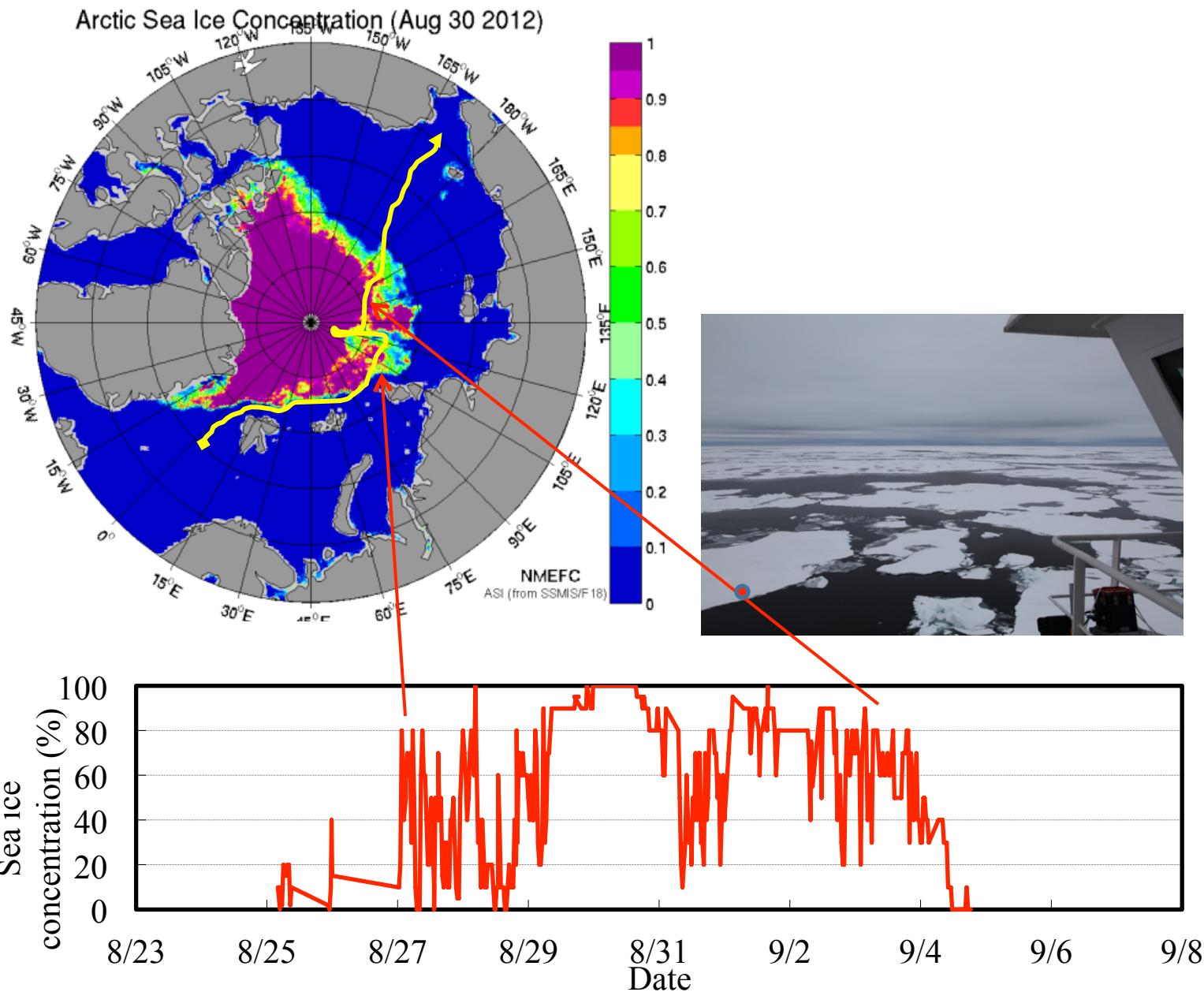
- Cruise in 2012
- Cruise in 2013

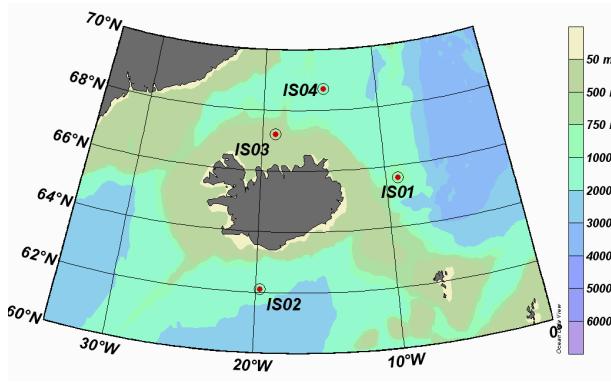
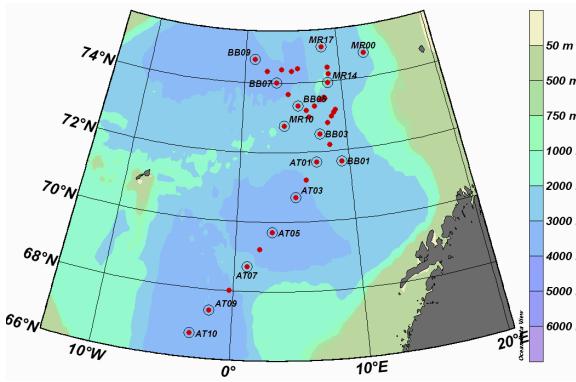
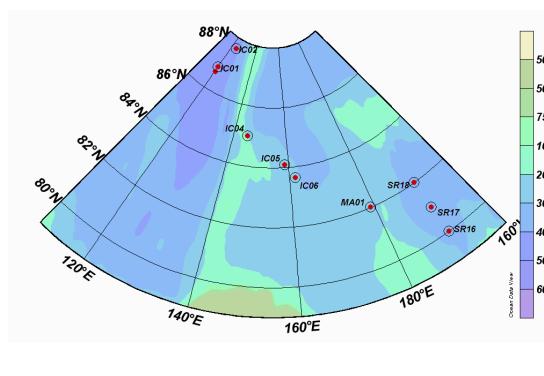
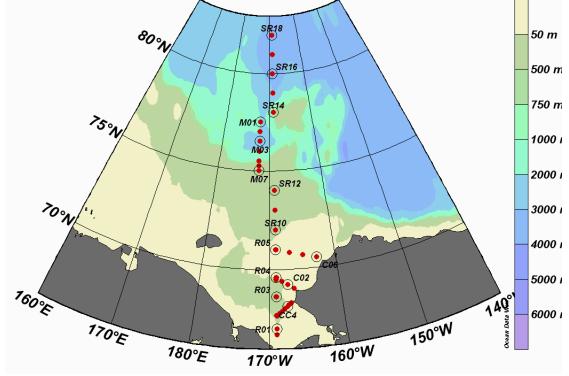
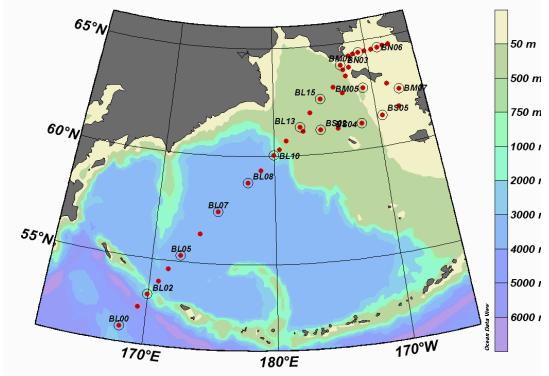


CHINARE-5
July 2-Sept. 2012

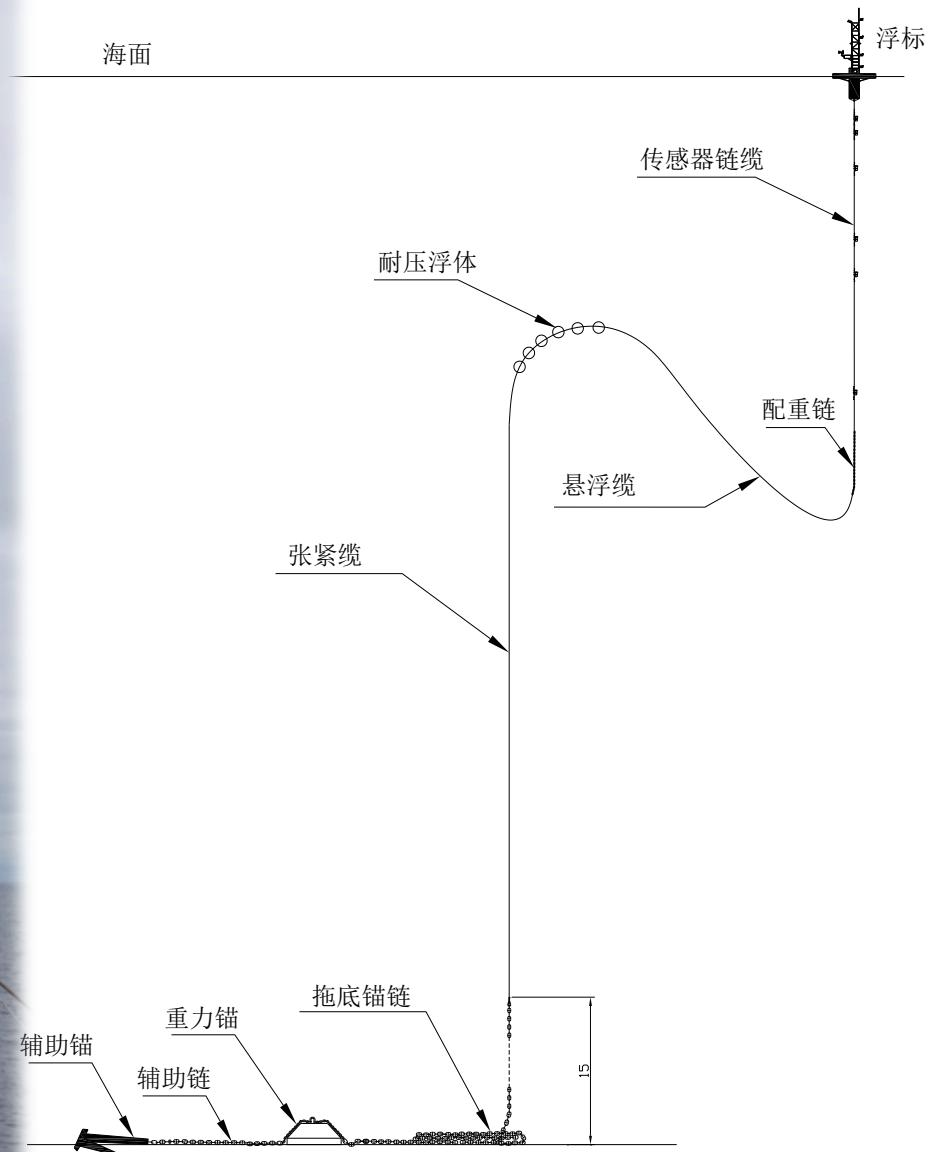












Outline

- Cruise in 2012
- Cruise in 2013

Renovation Program of the Xuelong

Summer 2013

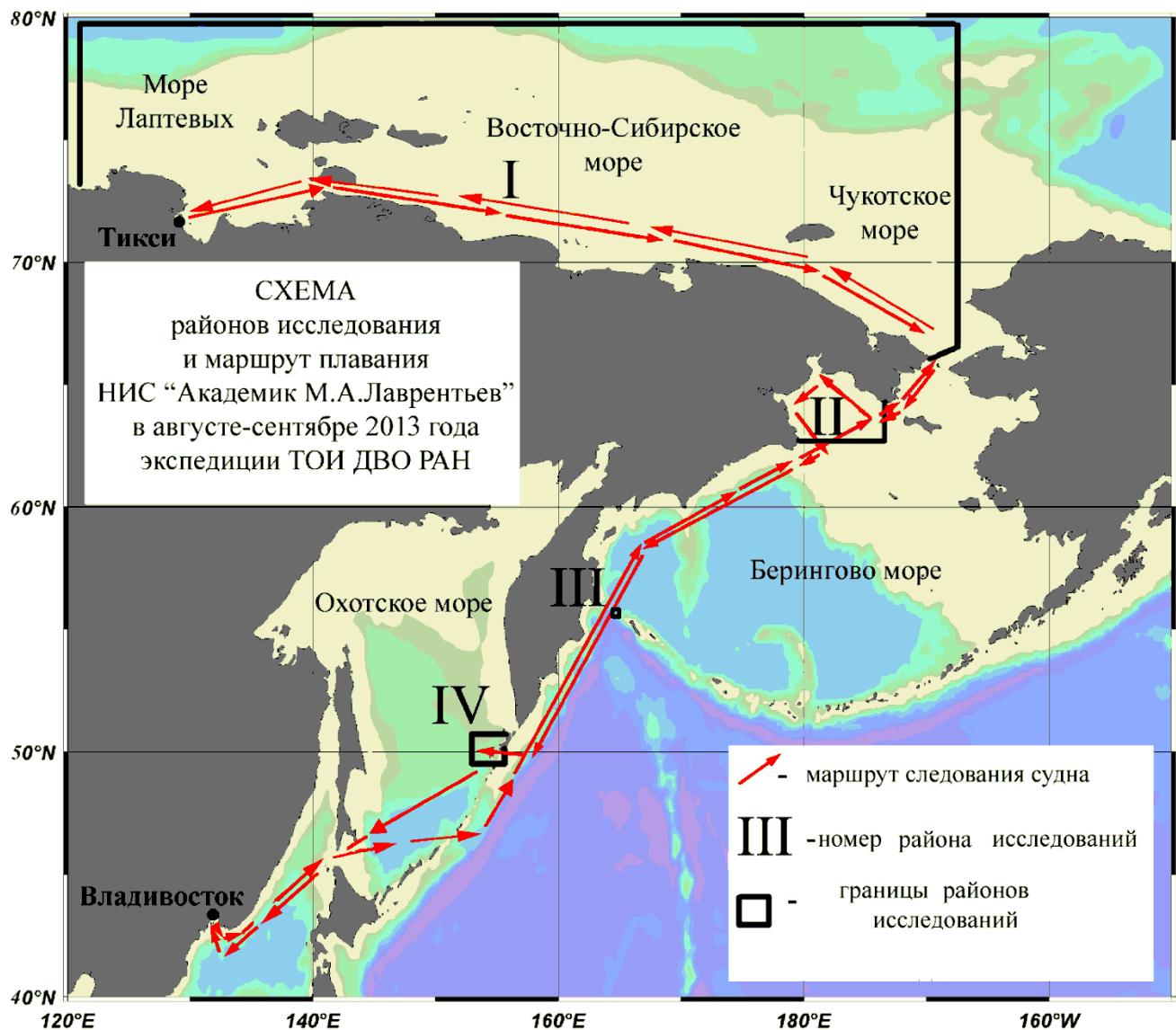
- To replace the main engine, propeller and relative instruments
- To replace some scientific equipments:
 - TRDI ADCP(38kHz+300kHz)
 - SIMRAD EK60 (38kHz+120kHz),

The Cooperation Cruise 2013

Cooperation
Cruise with
Russia

Mid Aug.-End
Sept.
Last ~45 d

~12 Chinese
Scientists



Investigation Vessel



Akademik M.A. Lavrentyev, 2400T

Contents

1) Sediment sampling

- surface sediments
- Sediment cores



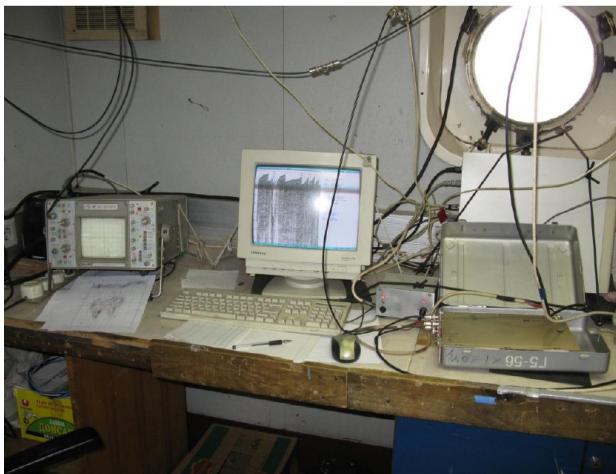
2) Physical oceanography observation

- CTD observation



3) Chemical and biological analysis

- Nutrients
- Chlorophyll *a*
- Plankton



An aerial photograph of a large red icebreaker ship sailing through a field of sea ice. The ship is cutting a path through the ice, which is composed of numerous small, white floes. The ship's hull is red, and it has white superstructures and equipment. The word "CHINARE" is visible on the side of the ship. The background consists of a vast expanse of icy ocean under a clear sky.

Thanks !