



Russian Federation

National Report

DBCP– 38, Hybrid meeting, Geneva, Switzerland, 1-4 November 2022

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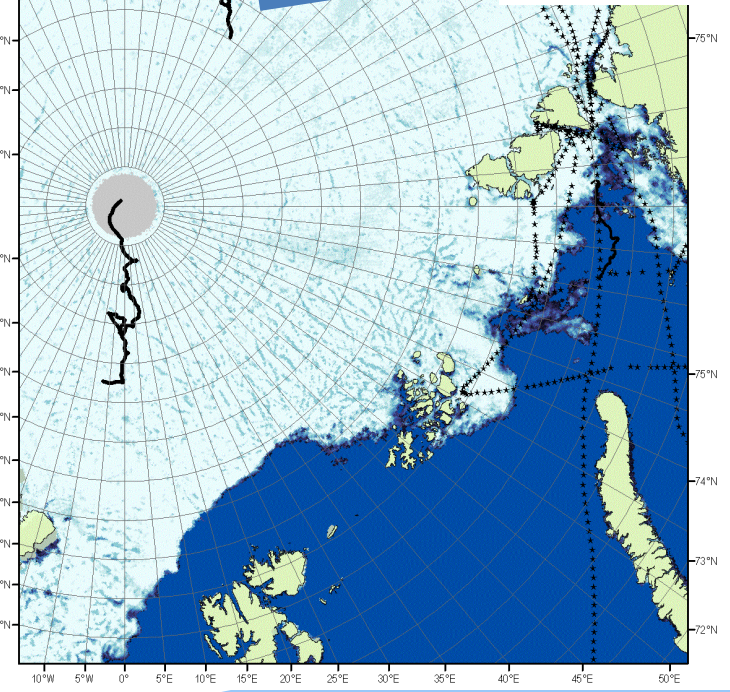
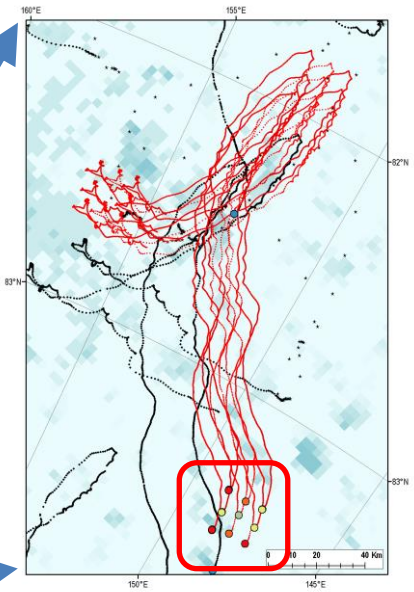
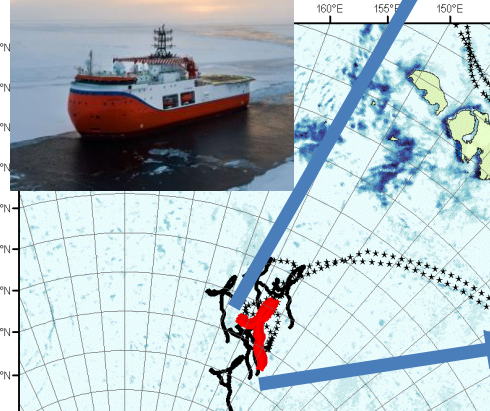
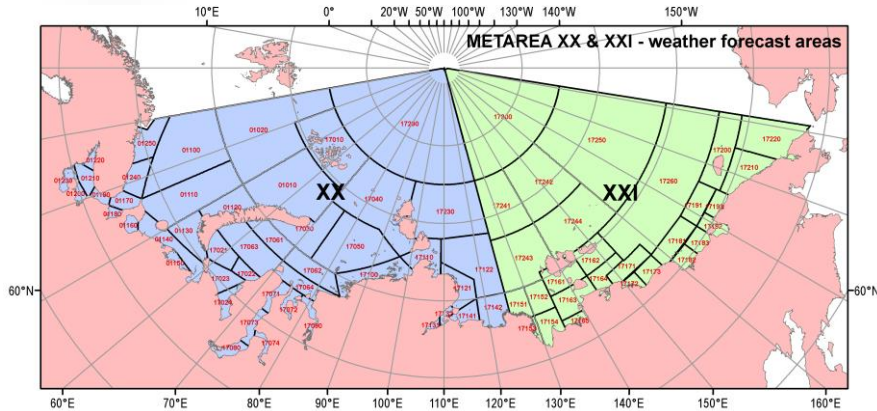
Russian Service for Hydrometeorology and Environmental Monitoring (Roshydromet)

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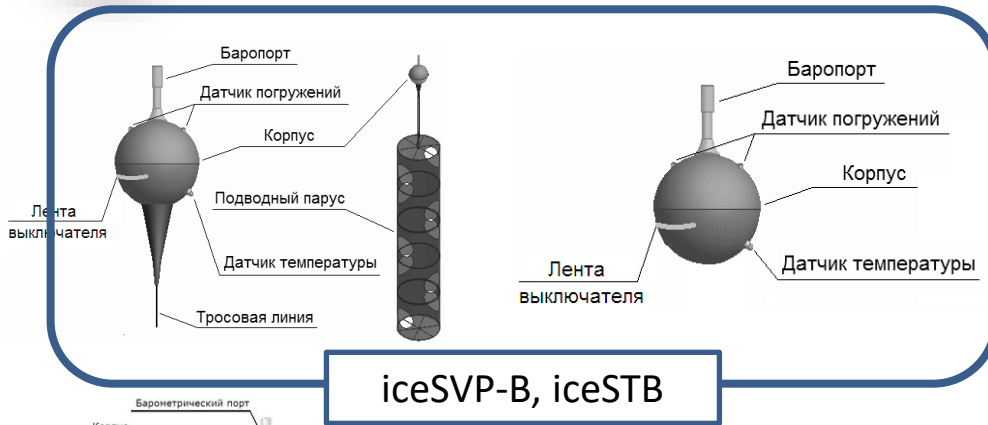
Buoy network



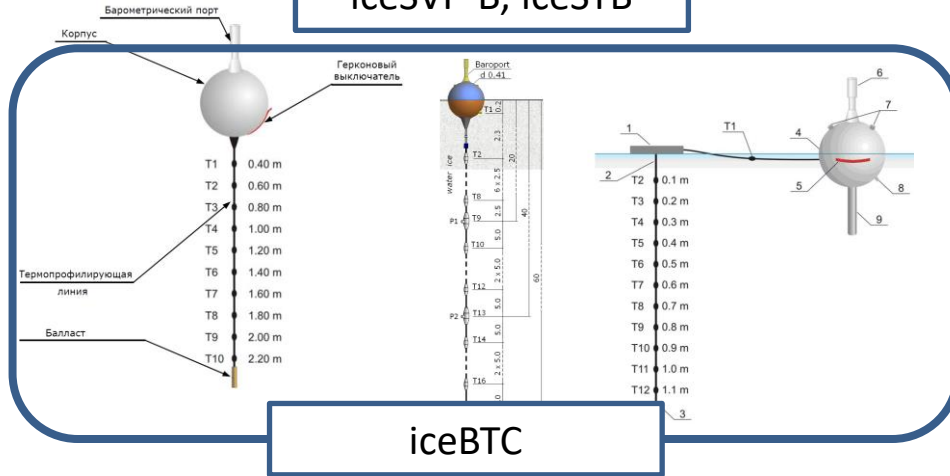
- ❖ General deployment area: Eurasian Arctic within METAREAs XX, XXI
- ❖ Deployment area for 2022: northmost part of the Eurasian seas, Arctic Basin
- ❖ Programs:
 - Roshydromet support in cooperation with IABP for marine observational network / GOOS / GBON (8 buoys)
 - Roshydromet support for the distributed network of the ice strengthened mobile platform “North Pole” (15 buoys)
- ❖ Deployment period: July – October 2022



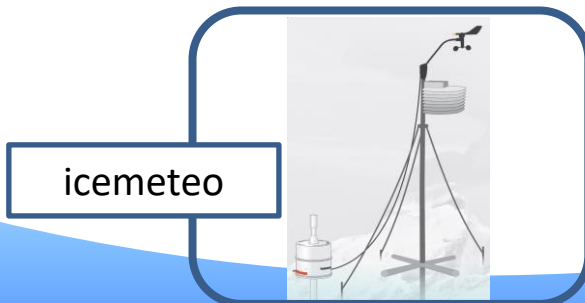
Buoy design and specifications



iceSVP-B, iceSTB



iceBTC



icemeteo

- ❖ All manufactured by Marlyn-Yug under agreement with Roshydromet/AARI or WMO/IABP
- ❖ All are of ice-strengthened design with possibility of automatic deployment on open water and manned deployment on ice
- ❖ GNSS, barometric and surface temperature measurements for all types
- ❖ Thermal strings from 110 cm to 60 m for iceBTC buoys
- ❖ Tiltmeters for icemeteo buoys
- ❖ Data transmission is performed via Iridium SBD to AARI
- ❖ Expected lifetimes:
 - iceSVP-B, iceSTB - 6 months ... 1 year
 - iceBTC: 3 months ... 8 months
 - icemeteo 3... 6 months
- ❖ Access:
 - <http://wdc.aari.ru/datasets/d0018/buoys/>



Plans for 2023 other and issues

- ❖ Covid-19 Impacts/vandalism:
 - none

- ❖ Roshydromet planned support for marine observational network / GOOS / GBON in 2023 includes:
 - deployment in the next 12 months 20...30... drifting buoys of iceSVP-B, iceSTB and iceBTC types following GBON requirements
 - tests for surface salinity (planned for spring 2023)
 - access to buoy data via WIGOS through WIS portal Moscow



Thank you!



фото Александра Зубова