



U.S. National Ice Center



USN



USCG

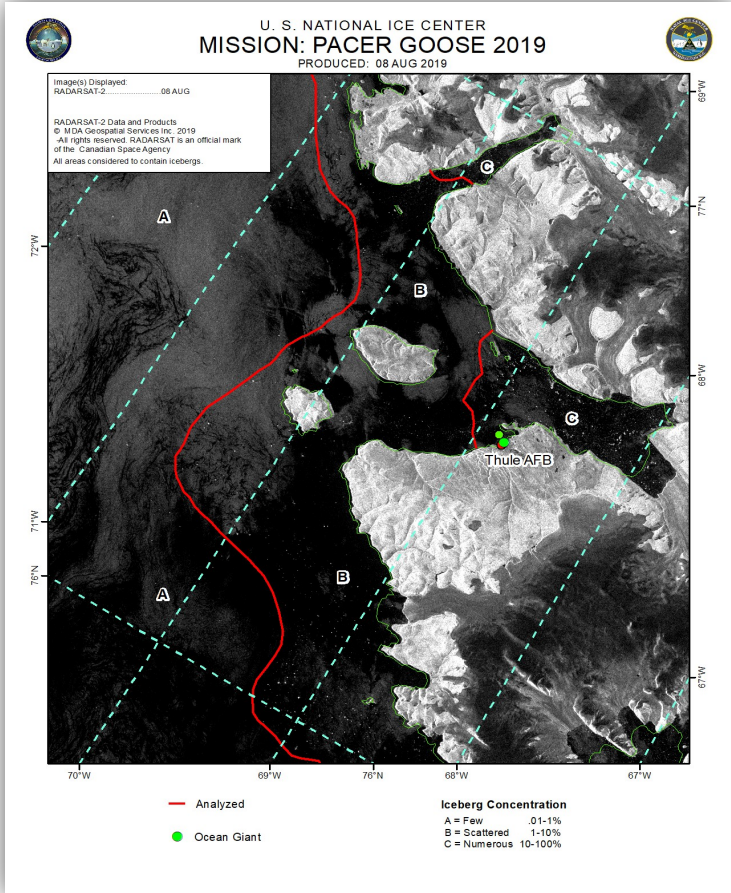
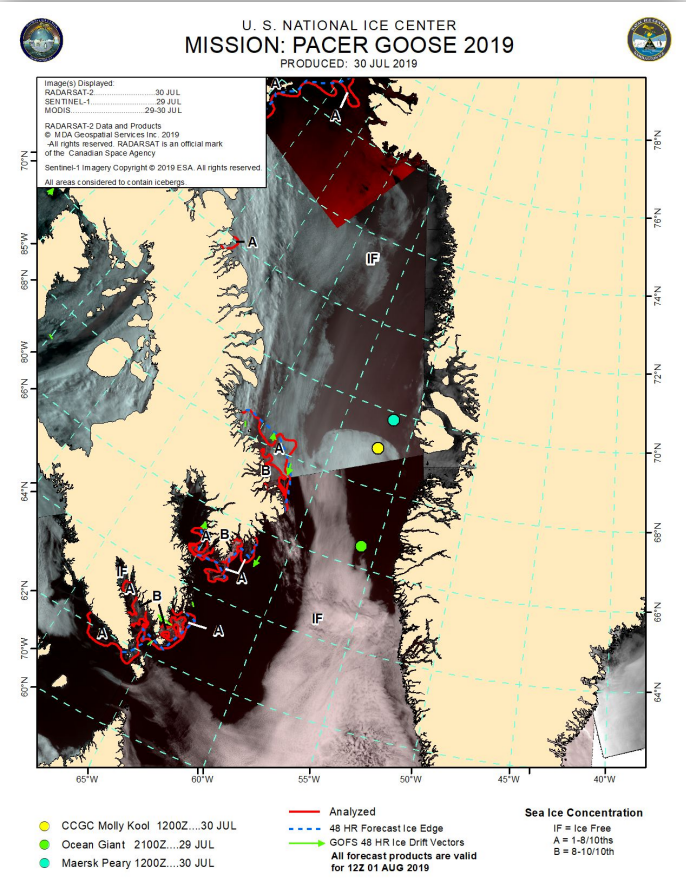


NOAA

Director: CDR Heather Quilenderino, USN
Deputy Director: Mr. Kevin Berberich, NOAA
January 2020



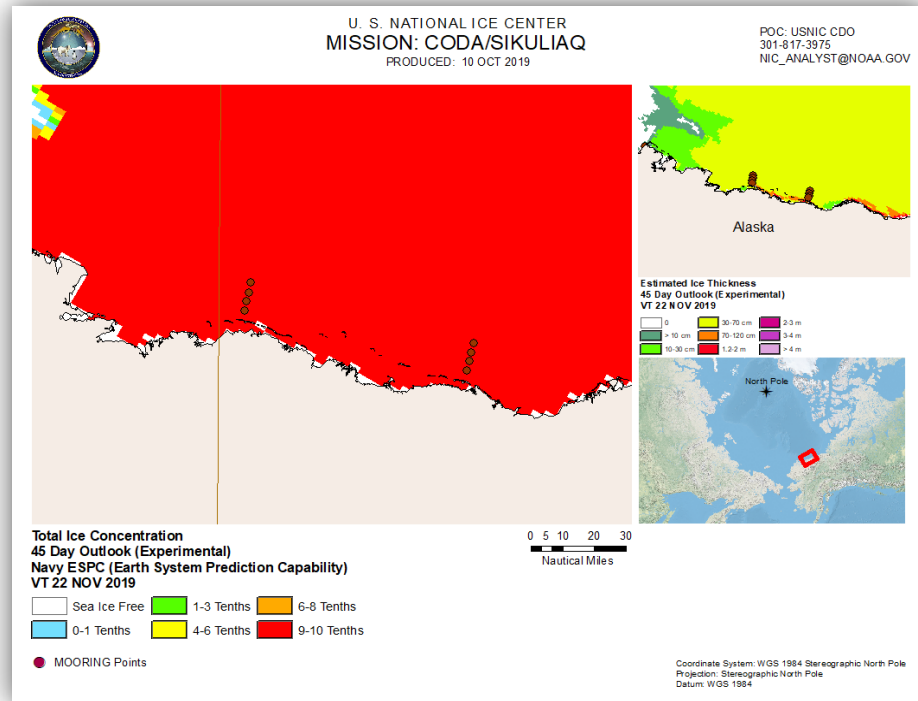
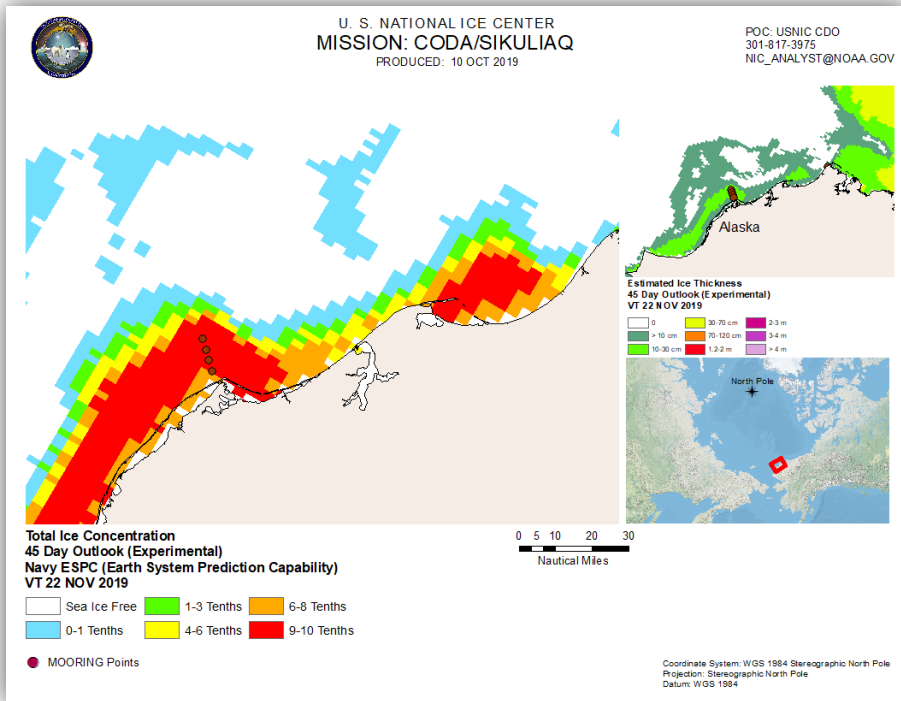
Pacer Goose 2019



Pre-Sail Brief was given by Mr. William Walter on July 7th.
U.S. National Ice Center (USNIC) supported Ocean Giant and Maersk Peary from 01JUL-08AUG.



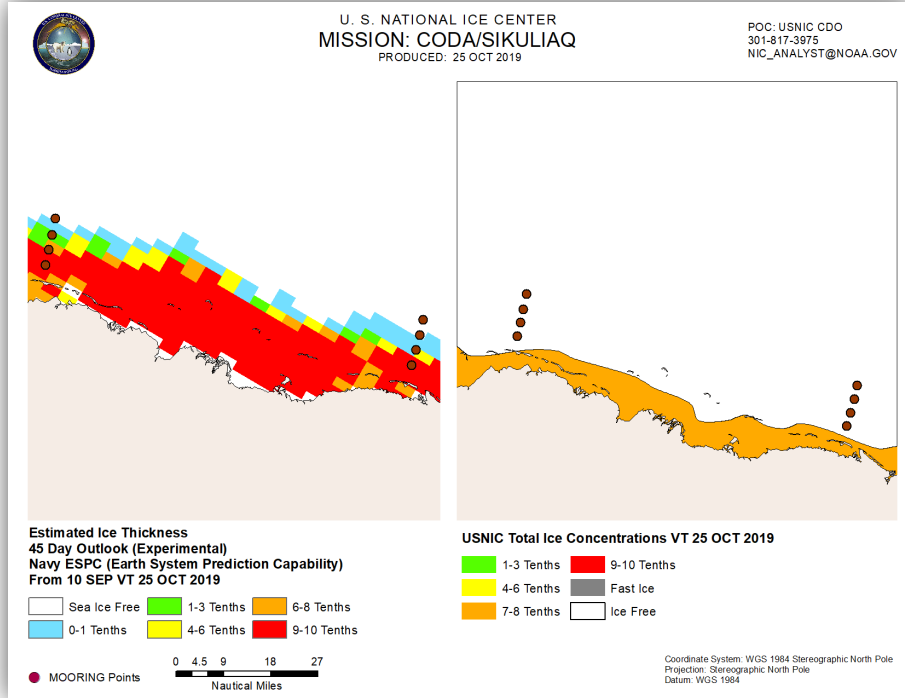
SIKULIAQ Support



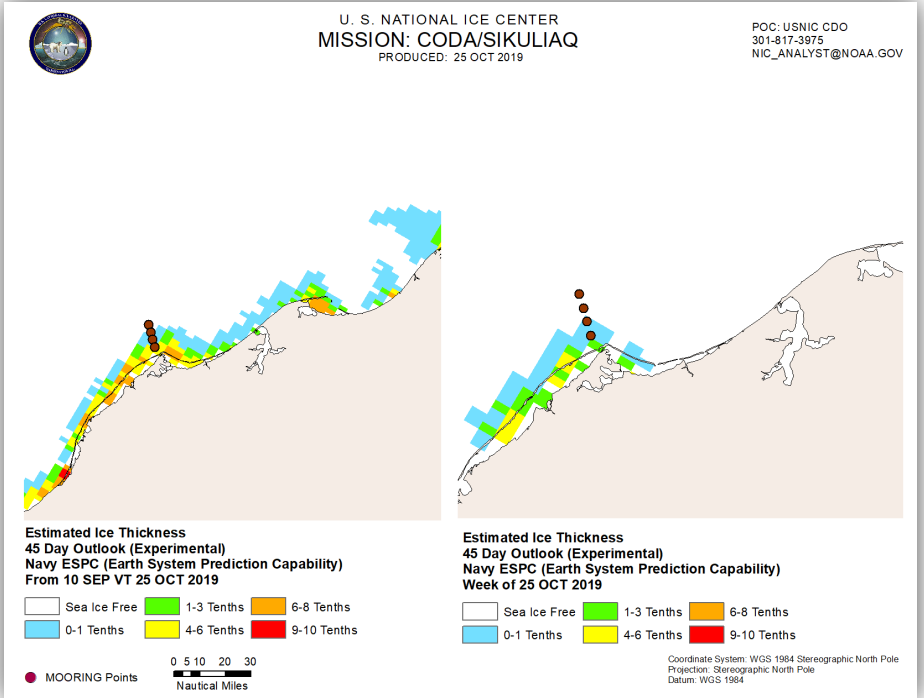
USNIC worked with SIKULIAQ/CODA mission to show a 45-Day Experimental Outlook from Navy Earth System Prediction Capability (ESPC) for all 3 mooring points from about mid-September to the mid-October.



SIKULIAQ Support



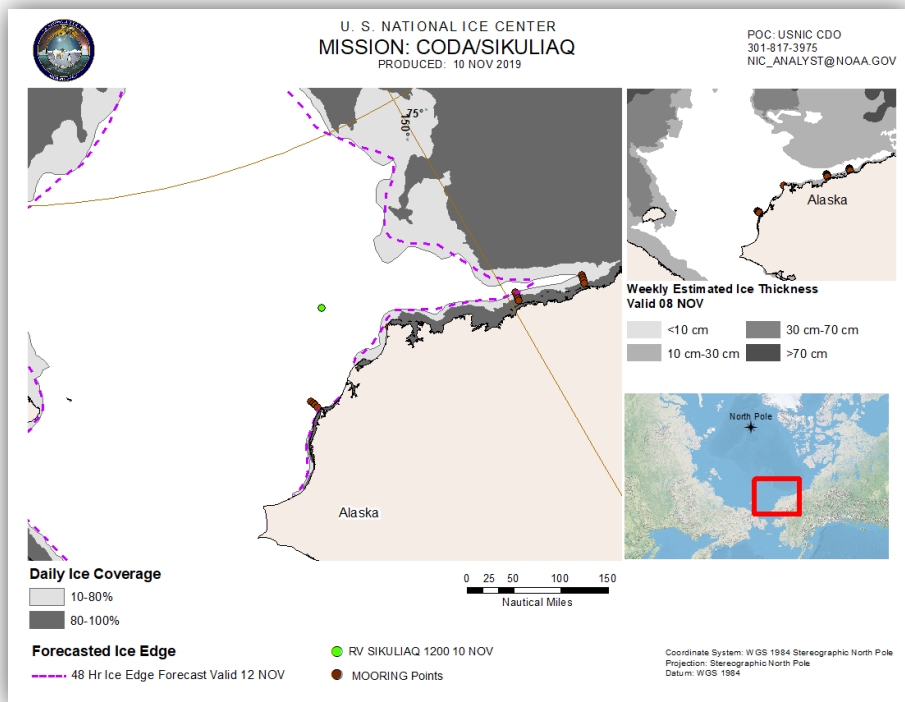
Model Data vs USNIC Data



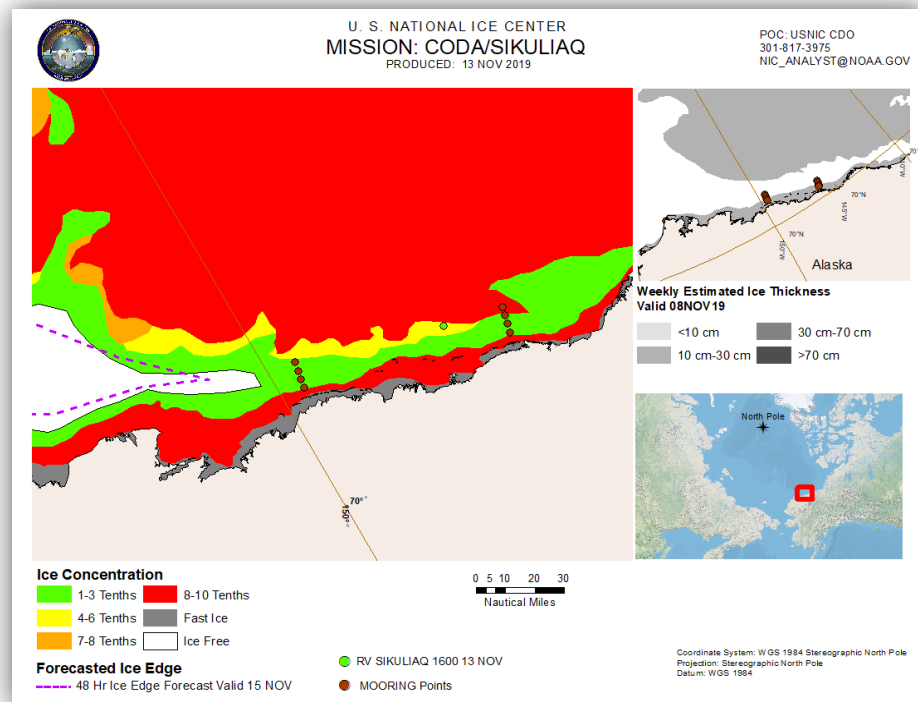
Model Data Outlook vs Model Data current



SIKULIAQ Support



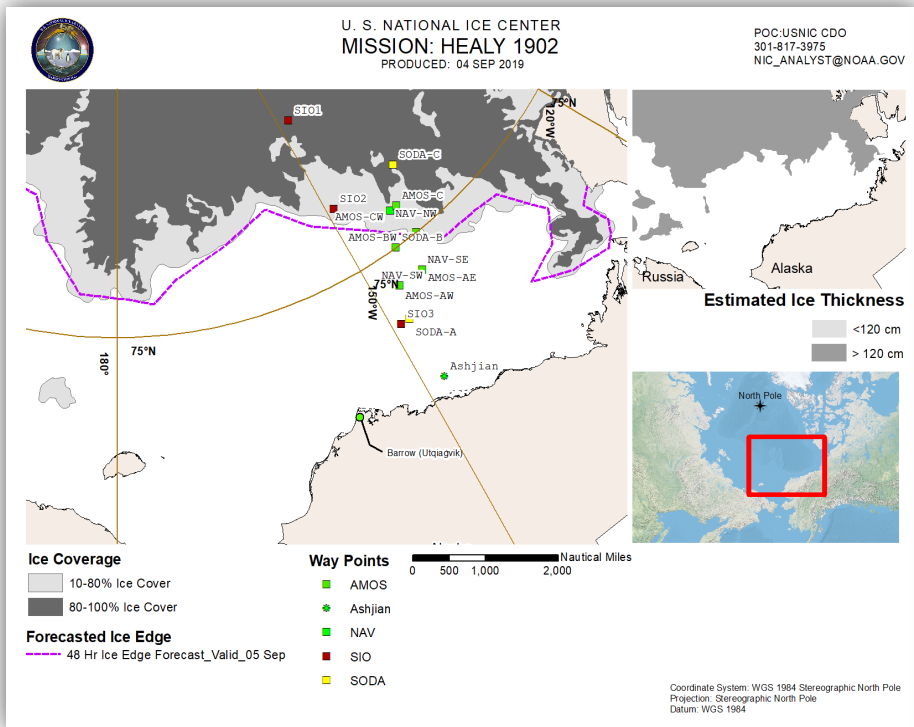
Support for a vessel not in the ice



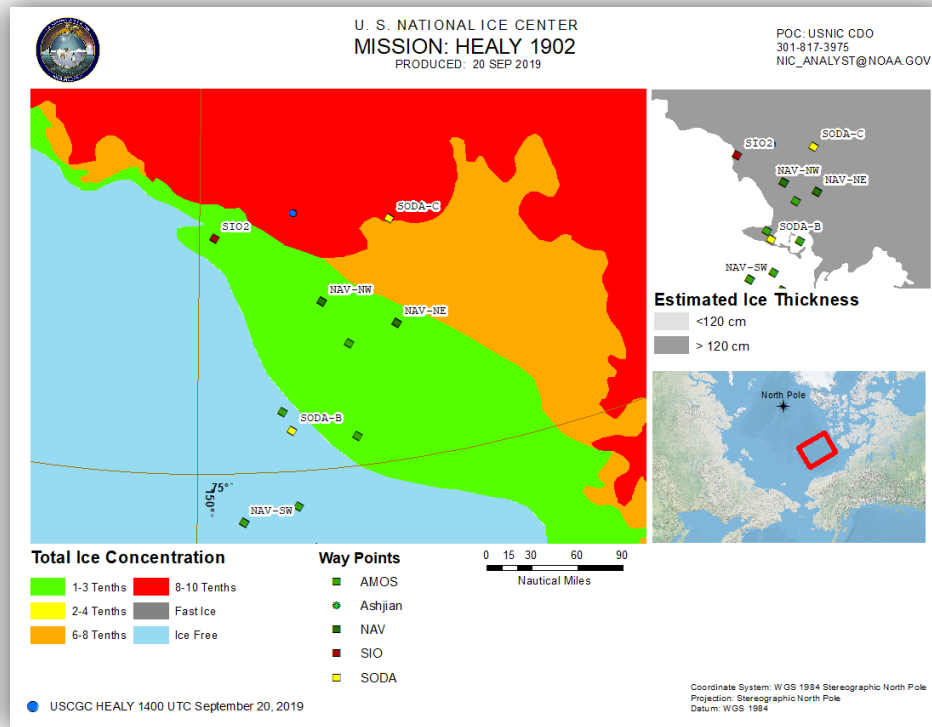
Support for a vessel in the ice



Healy 1901 and 1902



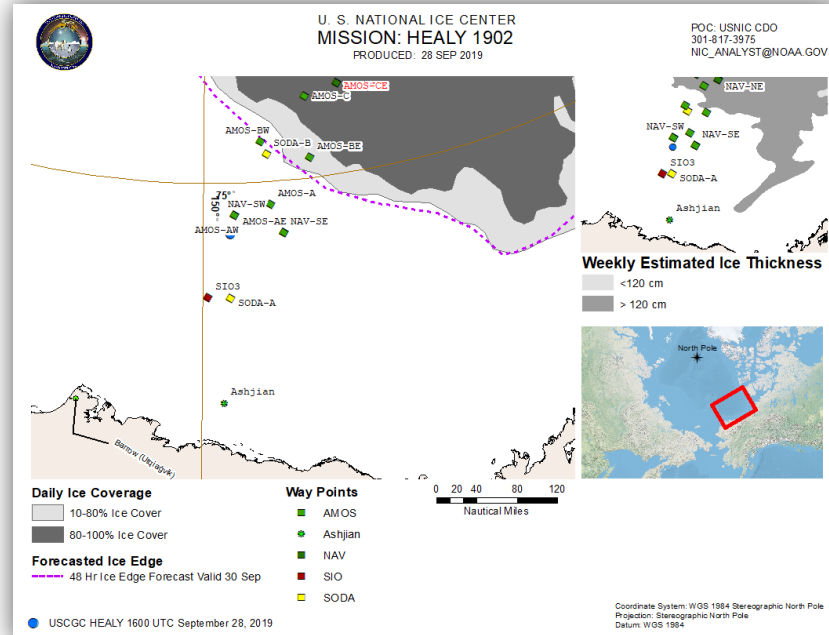
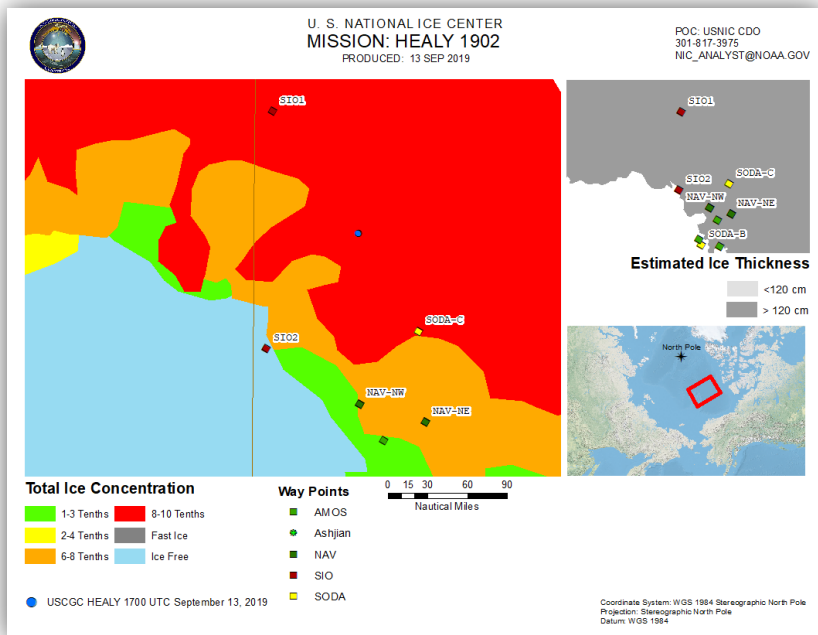
Support for a vessel not in the ice



Support for a vessel in the ice



Healy 1901 and 1902



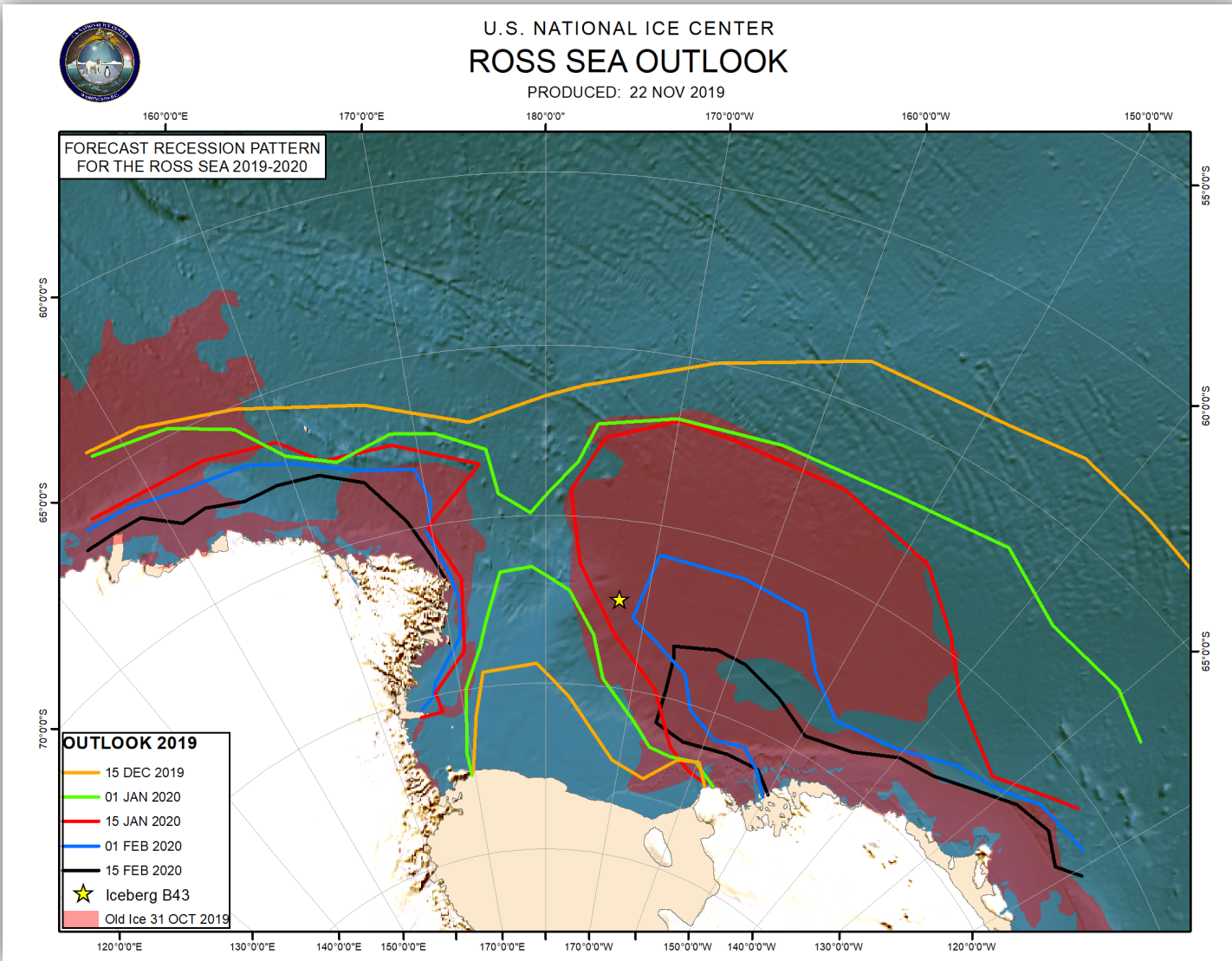
Product requirements were adjusted as the mission evolved and as tasks were completed. Frequent communication with USNIC was important.

Challenges:

- MCD Pilot did not work and USNIC analysts relied on other connections
- Timing of mission changed frequently causing imagery collection challenges
- Bandwidth limitations. Several email recipients onboard not required

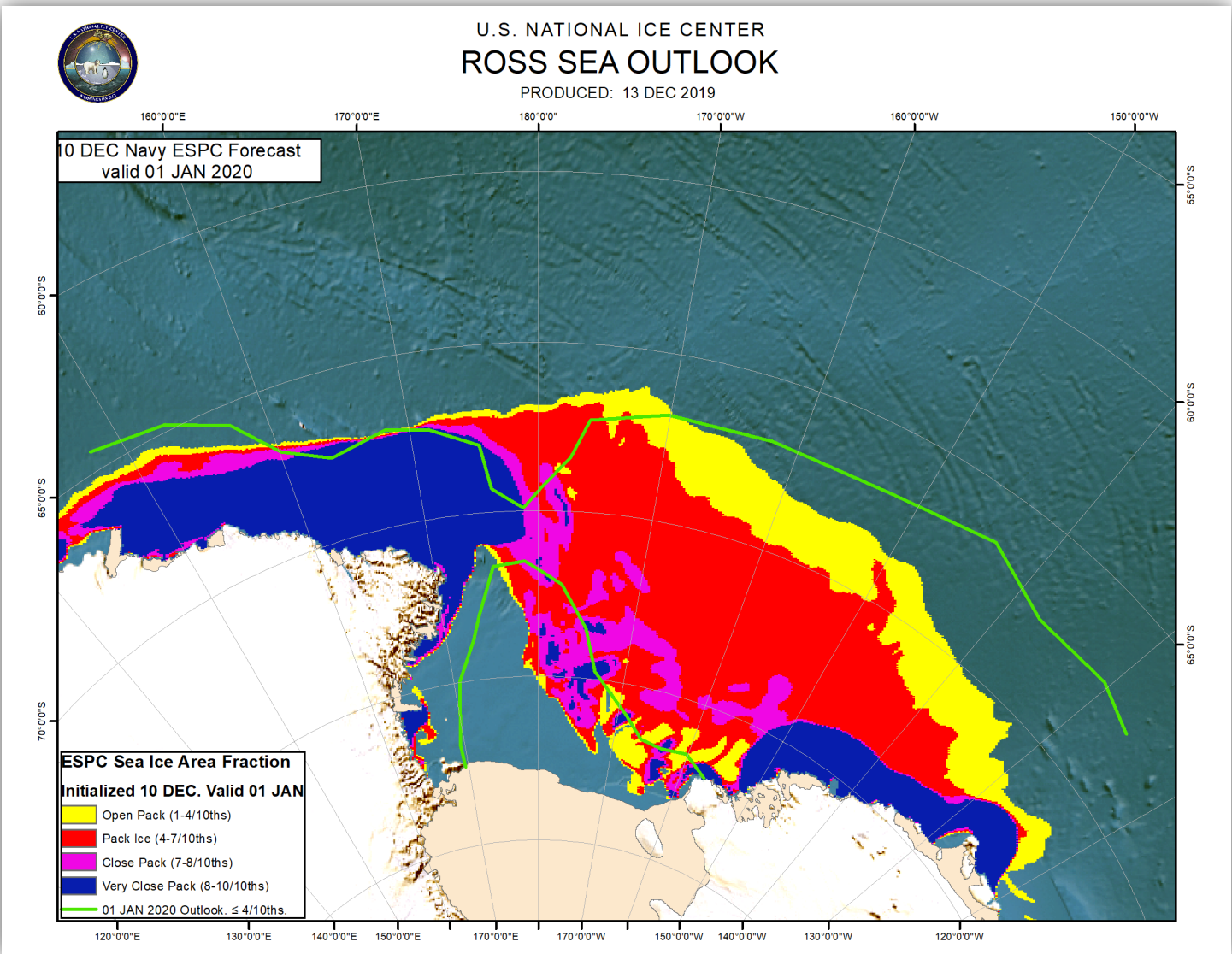


Op DEEP FREEZE Support 2019-2020



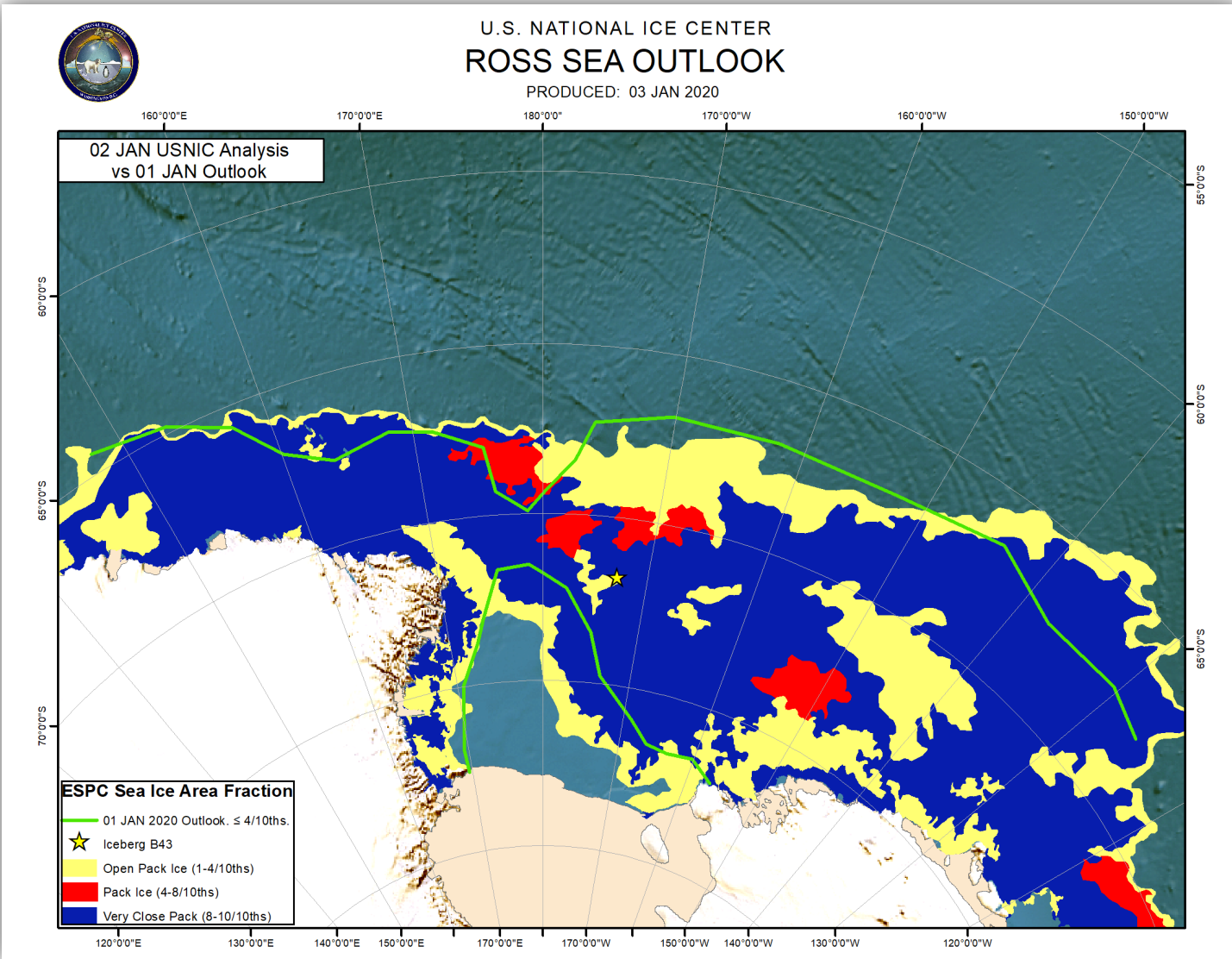


Op DEEP FREEZE Support 2019-2020





Op DEEP FREEZE Support 2019-2020



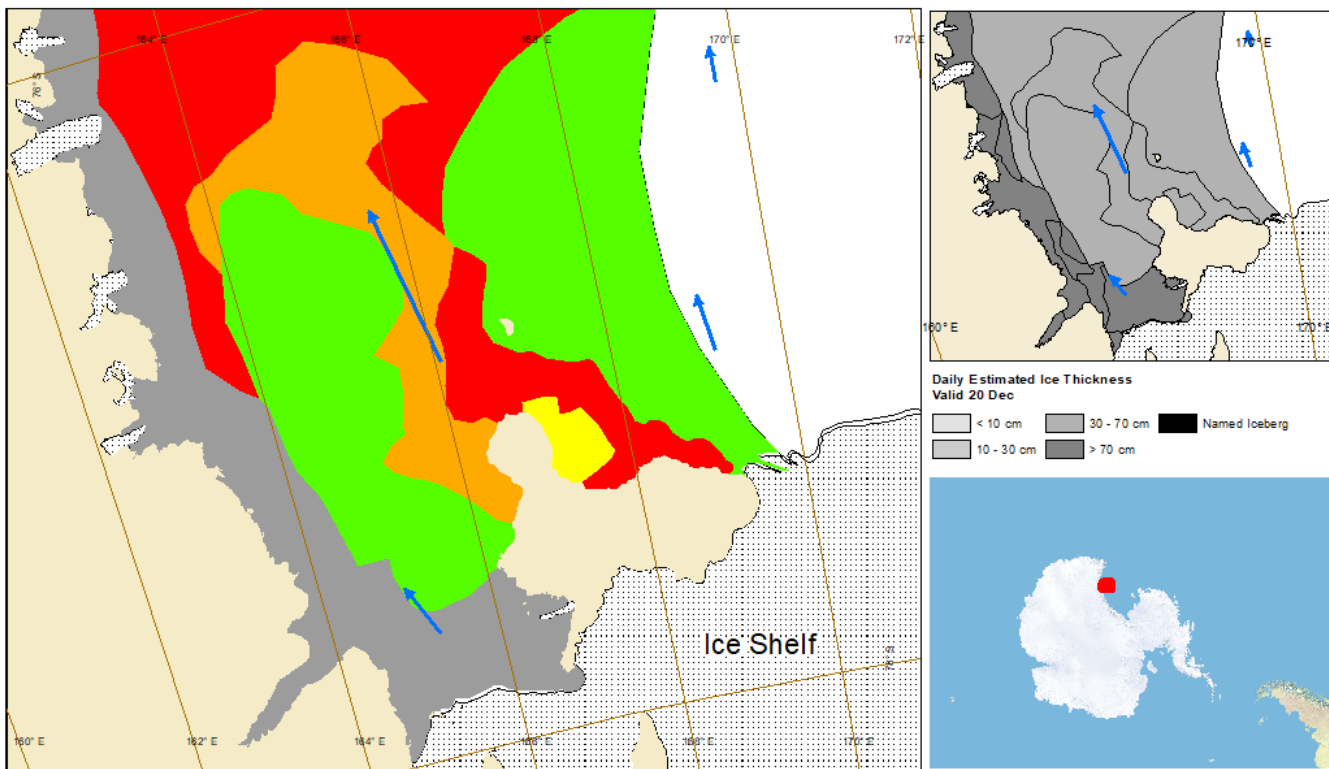


Op DEEP FREEZE Support 2019-2020



U. S. NATIONAL ICE CENTER
MISSION: OPERATION DEEP FREEZE
PRODUCED: 20 DEC 2019

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Questions and Comments



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