



U.S. National Ice Center

Arctic Icebreaker Coordinating Committee Winter Meeting



USN USCG NOAA

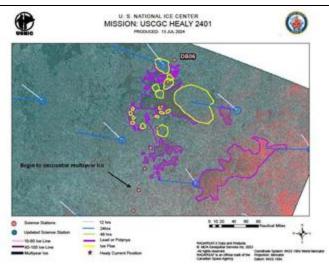
Director: CDR Travis Wendt, USN
Deputy Director: Mr. Kevin Berberich, NOAA
Presenter: Britney Fajardo, Master Ice Analyst

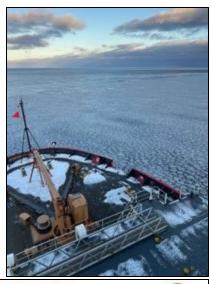
January 8, 2025



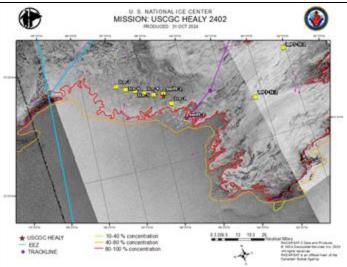
Healy 2401 and 2402











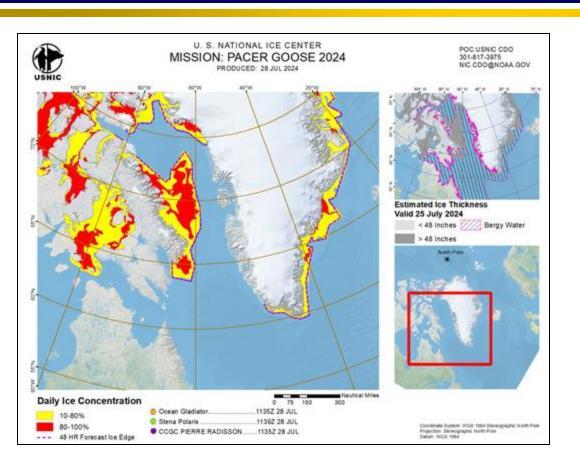
Analysts onboard the USCGC Healy provided real-time support during Healy's 2024 summer and fall deployments in the Beaufort Sea. Product requirements were adjusted as the missions evolved. While onboard, USNIC analysts:

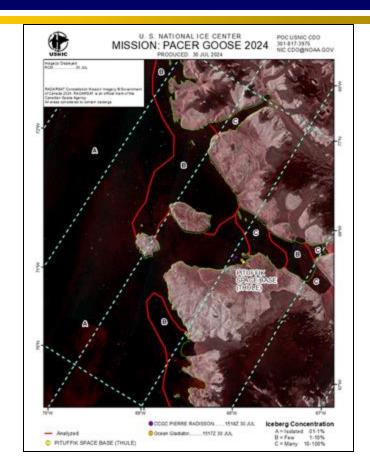
- Assisted with route planning for sea ice transits
- Provided daily briefs to Captain and department heads
- Provided analyzed imagery to watchstanders for situational awareness
- Were available at all hours for ice support during science missions



Pacer Goose 2024







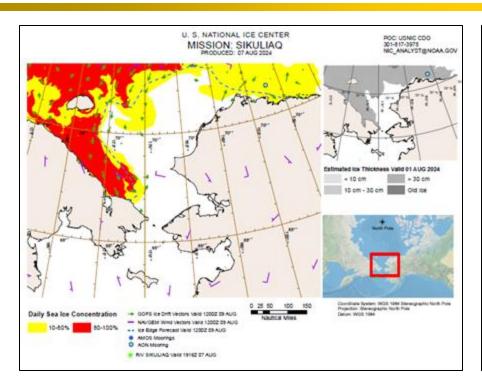
USNIC supported Ocean Gladiator, Stena Polaris, and CCGC Pierre Radisson for Pacer Goose 2024.

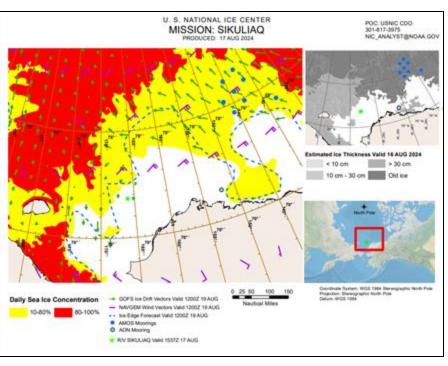
Pre-sail brief was also provided, covering current conditions and expected conditions based on climatology and Navy ESPC model data.



SIKULIAQ 2024







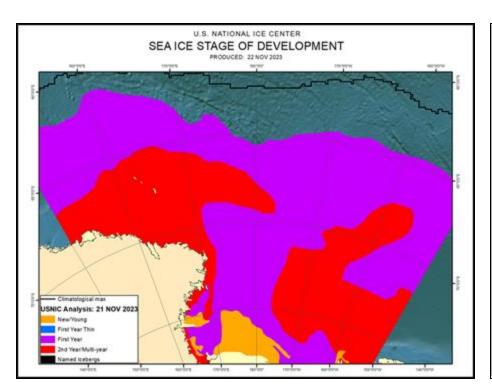
USNIC provided daily Marginal Ice Zone (MIZ) support to SIKULIAQ, showing the pack ice conditions and 48 hour forecasted ice edge, winds, and sea ice drift.

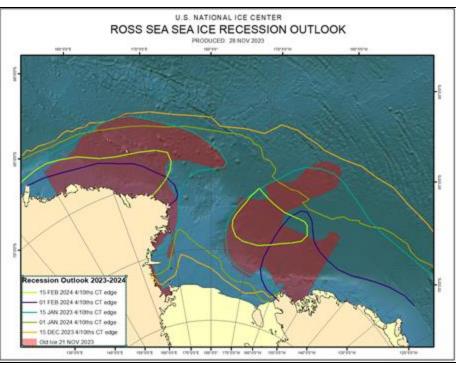
National Weather Service's Alaska Sea Ice Program had an analyst onboard to provide detailed support.



Deep Freeze Support 2023-2024





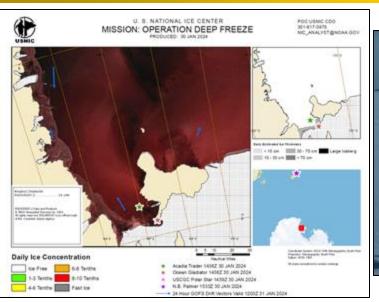


Prior to the start of Operation Deep Freeze 2024, USNIC provided a Ross Sea Outlook to the USCGC Polar Star and other customers with interest in the area, highlighting current sea ice conditions and expected sea ice melt pattern.

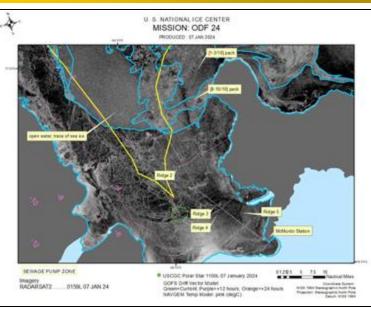


Deep Freeze Support 2023-2024









USNIC Remote Support

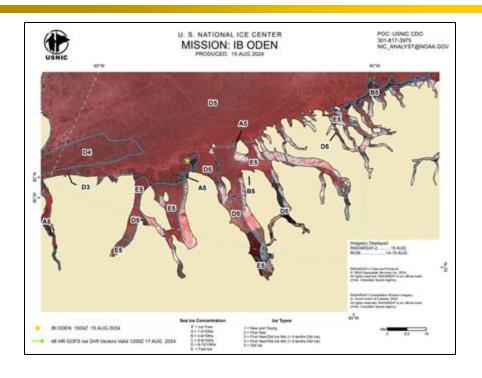
Onboard Analyst Support

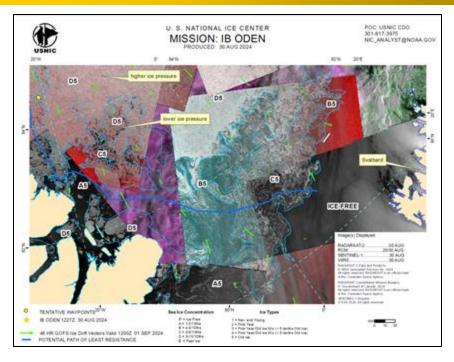
USNIC analyst onboard the USCGC Polar Star provided daily products to the operations team onboard the ship. Main analysis focus was finding best way to break through fast ice in McMurdo Sound, as well as ridge avoidance and keeping channels clear of ice for the non-ice hardened vessels to be able to pass through.



ODEN 2024







Provided daily detailed support to IB Oden for their operations in the northern Greenland Sea for their Greenland Earth-Ocean Ecosystem Observatory cruise.



Request for Support



Contact Information	
Agency*	Enter Agency, i.e. US Coast Guard, NOAA,
Name*	Name
Email*	Email
Phone	Phone
Proprie	71000
Best times to contact you	Provide the best time after 9:00 AM, before 3:PM, i.e.
Request Details	
Area of interest* Lision will be in contact for additional detail of approved.	Enter focus area, i.e. Ross Sea, Arctic Transit, Bering Strait
Departs will be in contact for appropriat decise (in approved).	
Dates required for services*	Provide an estimated or exact time frame, i.e. Early May to June, March 5 to July 10
List of needed ice parameters	
Vessel Limitations	
Mission Goal*	Enter type of mission, i.e. Operational, Research, Exercise
wason your	From the countries of destroyers sense of entries
Additional users to be added to dissemination list	Please provide all users that you wish to receive support (please separate with comma.
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Delivery Information	
Frequency*	Please provide when you would like to recieve products: i.e. Daily, Every Tuesday and Thursday
Time Product is needed* Times are in EST, USNO: working hours: flum to 4pm	If there a preferred time, please note here: i.e. AM, no later than
times are migs , some, working more, earn to igen	
Format*	Please provide desired format, i.e. PNO, PDF, Shapefile
How do you need the data disseminated	Please provide data disseminated, i.e. email, secured ftp, Google Drive directoly
Secured fly is not guaranteed as there is an approval process for this done through NOAA.	
How will you be using the data	Ex: Brief product, operations, missing planning, research, etc.
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https://usicecenter.gov/Resources/TailoredSupportForm



Questions and Comments









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