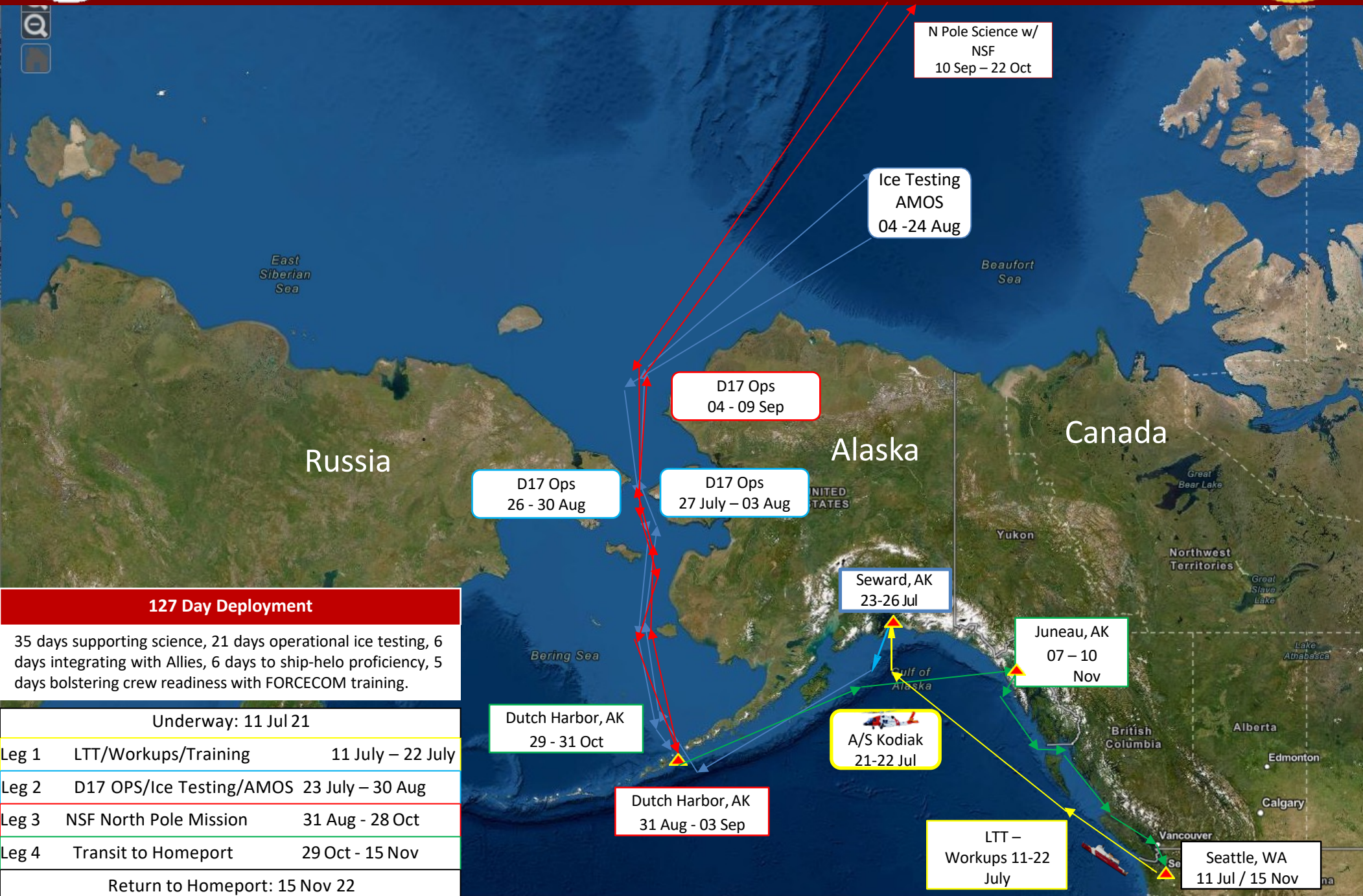




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CGC Healy (WAGB 20)

2022 US Arctic / North Pole Mission





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AICC Conference

26 July 2022



HEALY Engineering Updates:

- #1 Main Motor replacement 2020 continued testing and evaluation.
- Cycloconverter Upgrades.
- Deck Machinery Upgrades.

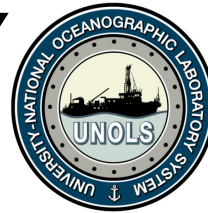
Looking Ahead:

- FY23 Dry Dock.





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Cycloconverter Upgrade:

25 Days of arduous testing with varying plant configurations in non ice conditions completed Spring of 2022.

Control System upgraded including communication and power networks that integrate in Healy's Machinery Control System.

August 2022, Coast Guard and contracted services will complete ice trials in Arctic to validate Starboard Main motor functionality and cycloconverter upgrade effectiveness and final adjustments





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Deck Machinery Upgrade:

Completed upgrades to Healy's Science winch drives and control systems Spring of 2022.

Performed dockside weight testing and extended duration casts while underway.

Successfully completed all tests bolstering capability and reliability for polar operations and scientific research missions.





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FY 23 Drydock:

- Award date 16 August 2022, location TBD.
- Scheduled for November 15th, through April 19th? Verify .
- 47 Contracted line items for completion including painting underwater body, hull, and partial superstructure.

