

Healy's 2003 Field Season

Canadian Archipelago Oceanography

Northwest Passage Transit

Mapping Chukchi Borderland (EEZ)

SBI Mooring Cruise



# Healy drydock

- Alignment and offset surveys of most of the ship's systems were completed. All sonar transducers, GPS antennas, overboard sheaves and gyros were surveyed. In addition, local reference marks were installed on HEALY to facilitate future instrument installations.
- The multibeam transducer windows were removed, and a significant number of damaged hydrophones plus one projector element were replaced, and new windows were installed. All other transducer windows were opened, inspected, and replaced.
- A second seawater intake system and plumbing was installed and the existing internal plumbing was improved, increasing the pipe diameter for flow-through and incubator.
- The ADCP-150, which was not working properly during the 2003 field season, was inspected and a cable was replaced.
- The A-frames were removed and their bearings and pivots were reworked.
- Plumbing for the multibeam header tanks was inspected and their integrity verified.

# Healy 2004 and beyond

Science shakedown: March 22 – April 3

More SBI

More NOAA-funded EEZ mapping

2005: Joint programs with Sweden's Oden

170E

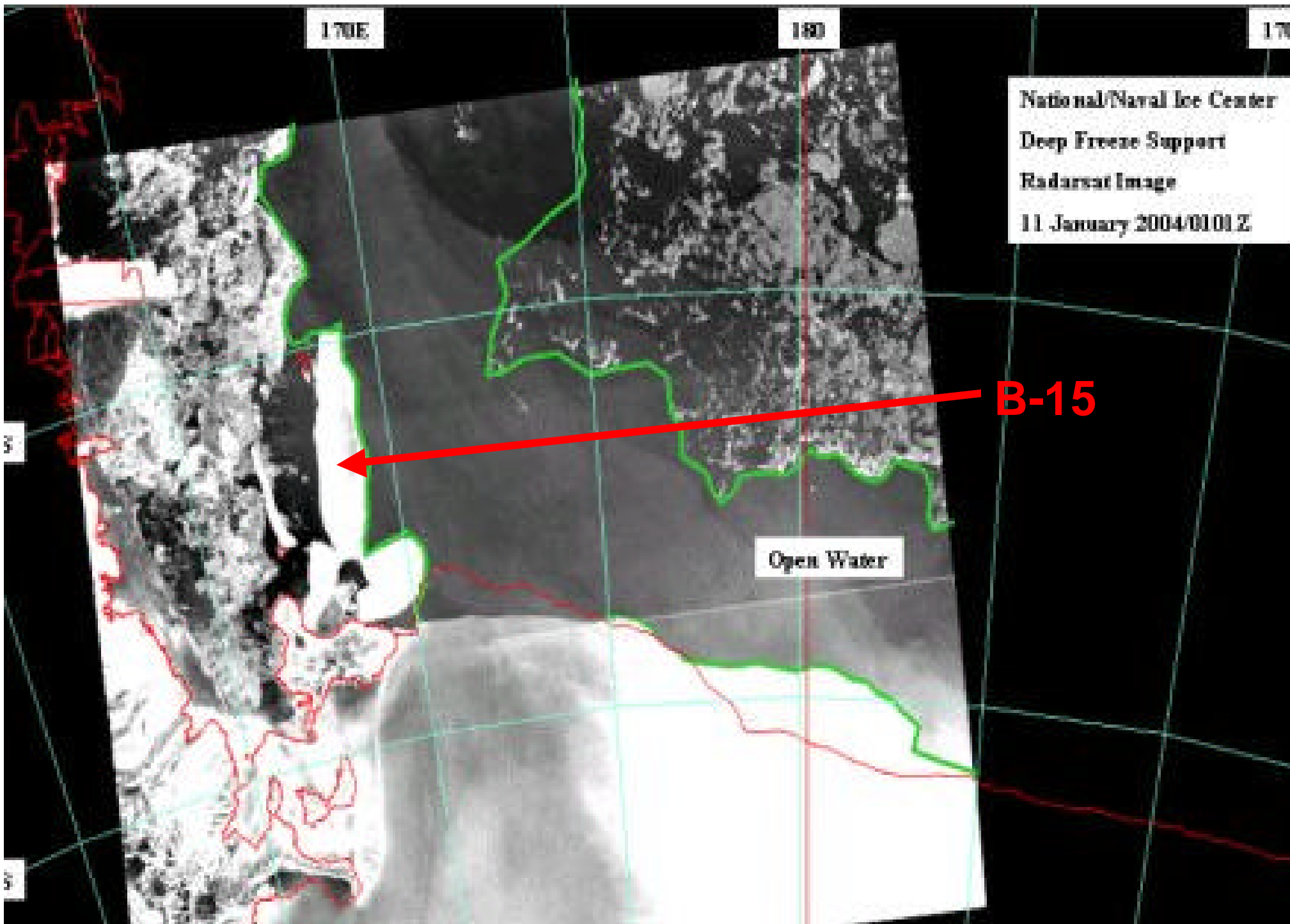
180

170

National/Naval Ice Center  
Deep Freeze Support  
Radarsat Image  
11 January 2004/0101Z

**B-15**

Open Water

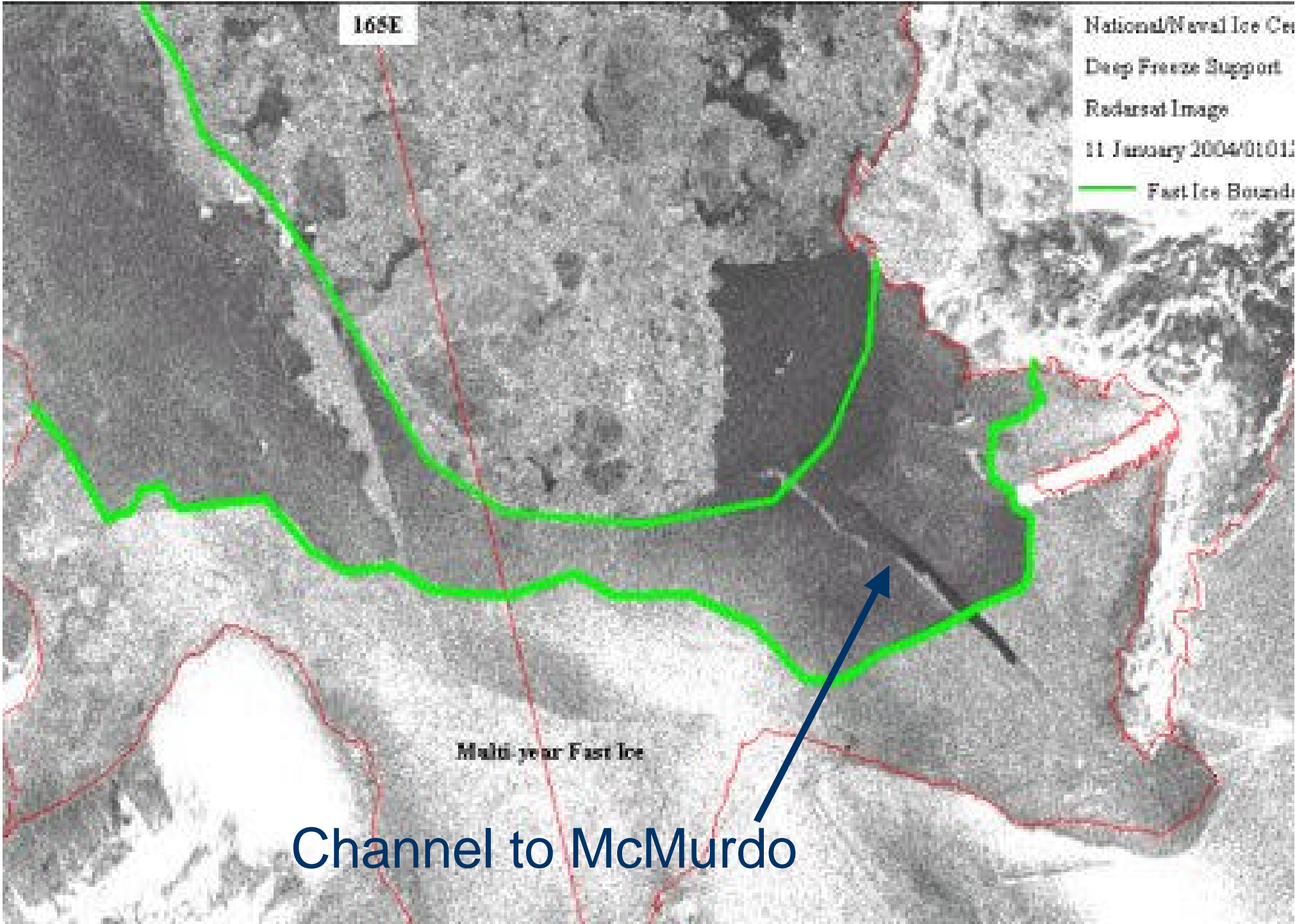


168E

National/Naval Ice Center  
Deep Freeze Support  
Radarsat Image  
11 January 2004/01:01:11  
Fast Ice Boundary

Multi-year Fast Ice

Channel to McMurdo



# Service Life Extension Program (SLEP)

June meeting to determine science needs –  
Mike Prince drafted report, which is under review

USCG has completed engineering feasibility study

60k Integrated Electric Drive with 4 Cat Diesels

45k Integrated Electric Drive with 4 Sulzer Diesels

Replacement

USCG about to begin mission needs analysis

AICC and NSF advising

6 month time frame

USCG “acquisition” of new/SLEP POLARs

# Upcoming for AICC

March meeting in D.C.: March 22-23

## New members

Terry Whitley, Larry Lawver, Lisa Clough cycle off  
Carin Ashjian, Bernie Coakley begin terms  
New member to be sought

## Lisa Clough

Patrick Michael, 6 lbs and change