

Arctic Seafloor Mapping Project Web Site - arcticseafloormapping.gov



[2010 Mission](#)



[Mission Plan](#)



[Law of the Sea](#)



[Continental Shelf](#)



[USCGC Healy](#)



[CCGS Louis S. St-Laurent](#)



[Healy's Science Team](#)



[Teachers](#)

Let Me Count the Ways

September 5, 2010

By Helen Gibbons, Web Coordinator, ECS Project

Time: 1025 hours Alaska Daylight Time
 Latitude: 73°11.86'N
 Longitude: 150°21.31'W
 Air temperature: -0.7°C (30.7°F)
 Sea temperature: 0.0°C (32.0°F)
 Wind speed and direction: 27.5 knots from the east
 Ship's speed over the ground: 16.1 knots
 Water depth: 3,777 m

There are many reasons to love the U.S. Coast Guard Cutter *Healy*, our home away from home. Here's a photographic sampling of them.

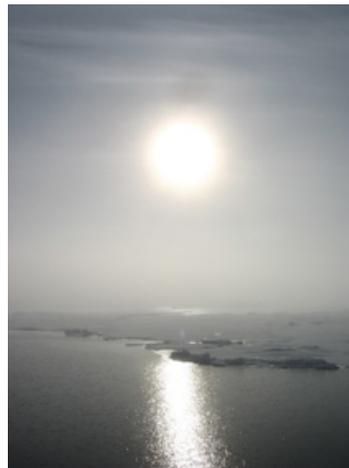
The Views:



Fogbow in the northern Bering Sea, August 4, 2010. Click image for larger view. **Credit:** Bill Schmoker, PolarTREC.



Morning on the Beaufort Sea, August 6, 2010, at approximate latitude 72°N. Click image for larger view. **Credit:** Mark Patsavas, University of South Florida.



Foggy afternoon at about 80°N latitude, August 24, 2010. Click image for larger view. **Credit:** Joshua Miller, National Ice Center.



Canadian Coast Guard Ship *Louis S. St-Laurent* following our track in the distance, August 14, 2010, at approximate

The Smooth Ride:



[Hourly Photos from Healy's Aloft Conn](#)



[USCG Logs](#)



[Photos of the Day](#)



[Sep 05 Log](#)



[Aug 29 Log](#)



[Aug 28 Log](#)



[Aug 25 Log](#)



[Aug 24 Log](#)



[Aug 23 Log](#)



[Aug 22b Log](#)



The box-like shape of *Healy's* hull contributes to her stability. In this photo of *Healy* in dry dock in 2004, you can see the nearly straight sides of the hull. Click image for larger view. **Credit:** Captain William Rall, U.S. Coast Guard.



USGS marine technician Jenny White placed this shrunken Styrofoam cup on the edge of a wooden shelf in the ship's Main Lab on August 21 ([see log for that day](#)). It stayed on the edge for about a week, until it was shaken off by the vibrations of icebreaking during a fast transit through thick ice. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



View through our porthole on August 8, 2010. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.

Comfortable

latitude 73°N. Click image for larger view. **Credit:** Mark Patsavas, University of South Florida.



In this view, you can see the hull's virtually flat bottom. Two other U.S. icebreakers, the *Polar Sea* and *Polar Star*, as well as the *Louis*, have football-shaped hulls and roll considerably more than *Healy*. Click image for larger view. **Credit:** Captain William Rall, U.S. Coast Guard.

Accommodations:

Satisfying Food:

Fitness Opportunities:

The Bridge:

The Wildlife:

Working Outdoors in the Fresh Air:

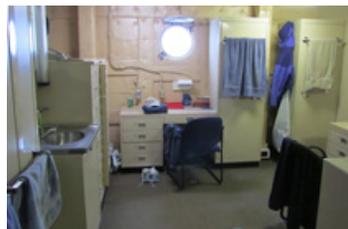
The Nerve Center:

The Commute:

The Leadership:



Curtains on the bunks block out the midnight sun and make sleeping extra cozy. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



Two roommates sharing cabins that can accommodate three have plenty of space. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



[Aug 22a Log](#)



[Aug 21 Log](#)



[Aug 20 Log](#)



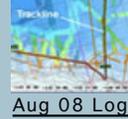
[Aug 18 Log](#)



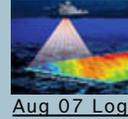
[Aug 17 Log](#)



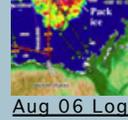
[Aug 11 Log](#)



[Aug 08 Log](#)



[Aug 07 Log](#)



[Aug 06 Log](#)



[Aug 04 Log](#)



[Aug 03 Log](#)



[Photo Log](#)

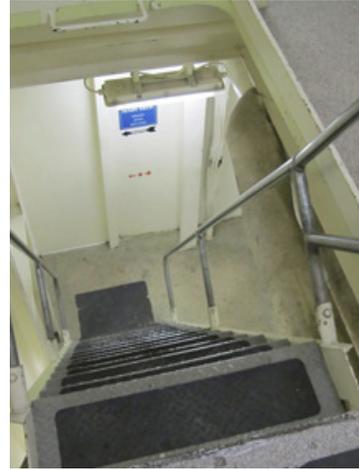


Today's lunch was chicken stew with rice, peas, and a biscuit, plus a lovely surprise: fresh grapefruit (not shown). Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



A

Two gyms onboard can help you counter the effects of the hearty meals. (That's me on one of the ellipticals.) Click image for larger view. **Credit:** Caroline Singler, NOAA Teacher at Sea.



Even if you never make it to the gym, you'll get exercise going up and down *Healy's* steep ladders. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



The bridge is calm and hushed, almost like a library. Left to right: LTJG Chris Skapin, Captain William Rall, and BM3 Patrick Kimmel. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



The expansive view feels serene. The bridge is also a good place to spot... Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project



A ringed seal swam by while we were taking a piston core on August 25, 2010. Click image for larger view. **Credit:** Bill Schmoker, PolarTREC.

Pleasant Traveling Companion:

Capable Coasties:



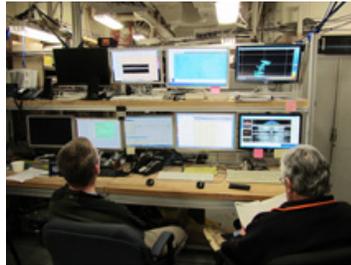
A polar bear made its way across the ice to check out the ship while we were stopped for sampling on August 9, 2010. Click image for larger view. **Credit:** Mark Patsavas, University of South Florida.



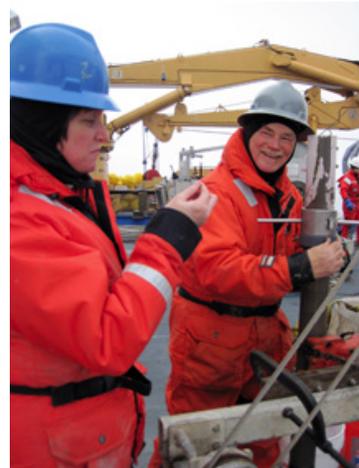
Sampling operations got everybody outdoors. Clockwise from top: Bill Schmoker (PolarTREC), Brian Edwards (USGS), Pete Dal Ferro (USGS), Jenny White (USGS), Andy Stevenson (USGS), and MSTC Kirt Stewart. Click image for larger view. **Credit:** Caroline Singler, NOAA Teacher at Sea.



Bill Schmoker (PolarTREC) poles ice floes away from the winch wire while we lower a piston corer on August 25. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



Standing watch in the computer lab, you can see the data coming in from all our mapping systems, listen to radio communications between the bridges on *Healy* and *Louis*, and watch video feeds from the bow, the flight deck, and the fantail. Bill Schmoker (PolarTREC, left) and Tommy O'Brien (USGS). Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



Yup, it's silty. Chief scientist Brian Edwards (USGS, right) looks on as Caroline Singler (NOAA Teacher at Sea) runs a tiny bit of sediment from a piston core (collected August 31, 2010) over her teeth. She is using a sedimentologist's trick for telling silt from clay. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



Excellent leadership makes the work a pleasure. Right to left: *Healy's* Captain William Rall (U.S. Coast Guard), Chief Scientist on *Healy* Brian Edwards (USGS), and Canadian Liaison Captain Michel Bourdeau



Canadian Coast Guard Ship *Louis S. St-Laurent* on August 14, 2010. Click image for larger view. **Credit:** Mark Patsavas, University of South Florida.

Silly Fun:



Whether you're working indoors or out, the commute is great. Ladder from the 02 deck (location of scientists' quarters) to the 01 deck (location of the Computer Lab), with a view of ice chunks floating past the hull. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.

(Canadian Coast Guard). Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



Louis follows our track in the early morning hours of August 22, 2010. **Credit:** Mark Patsavas, University of South Florida. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



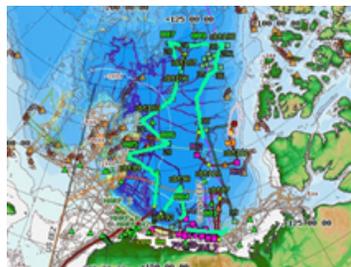
A week after calling a Bingo game in a banana suit, BM2 Jerry McCann is preparing to drive a Rigid Hull Inflatable to *Louis* to transfer personnel on a day that's too foggy for helicopter operations. Click image for larger view. **Credit:** Helen Gibbons, USGS/ECS Project.



Captain Davey Jones (a.k.a. FS3 Tysin Alley, right) and his Wench (a.k.a SN Beth Hildebrand) train Blue Noses for their Polar Bear initiation. Click image for larger view. **Credit:** MK2 Chris Schumacher, U.S. Coast Guard.

USCGC Healy Polar Science Network and Map Surfer:

The



The Healy Science Network in general and the Map Surfer (above) in particular offer a wealth of data and information—probably more than we could discover if we did nothing but explore these resources during the entire mission. All the scientists wish we could take the network home with us. Click image for larger view. **Credit:** Dale Chayes (Lamont-Doherty Earth Observatory of Columbia University), Steve Roberts ((National Center for Atmospheric Research), and Tom Bolmer (Woods Hole Oceanographic Institution).

Heart of It All: Excellent Shipmates:



I'd love to include individual shots of the more than 100 people aboard *Healy* for this mission, but will make do with this group shot of many members of the science party and Coast Guard crew posing on the flight deck on August 26, 2010. Click image for larger view. **Credit:** ENS Emily Kerht, U.S. Coast Guard.

Thank you all!

Disclaimer

| [Privacy Policy](#) | [Freedom of Information Act \(FOIA\)](#) | [Information Quality](#)
<http://continentalshelf.gov/missions/10arctic/logs/sep05/sep05.html>