

UNOLS STANDARD CRUISE-LEVEL METADATA

DRAFT V1.6a 2008-08-28

[METADATA REFERENCE]: <http://www.rvdata.us/system/files/schema-1.6a.pdf>

1 [CRUISE]

- 1.1 HLY0806
- 1.2
- 1.3 *Joint US/Canada Arctic Extended Continental Shelf*
- 1.4 <http://www.continentalshelf.gov>
- 1.5
- 1.6 [PARTNER]
- 1.6.1 CCGS Louis S. St-Laurent

2 [SHIP]

- 2.1 Healy
- 2.2 US Coast Guard
- 2.3 USA
- 2.4
- 2.5 NEPP

3 [PERSONNEL]

- 3.1 *Jonathan R Childs*
- 3.2 USGS
- 3.3 *Chief Scientist*
- 3.4 *jchilds at usgs dot gov*
- 3.1 *Thomas O'Brien*
- 3.2 USGS
- 3.3 *senior geophysical technician*
- 3.4 *tobrien at usgs dot gov*
- 3.1 *William Danforth*
- 3.2 USGS
- 3.3 *oceanographer*
- 3.4 *bdanforth at usgs dot gov*
- 3.1 *Ellen Montgomery*
- 3.2 USGS
- 3.3 *oceanographer*
- 3.4 *emontgomery at usgs dot gov*
- 3.1 *Peter Triezenberg*
- 3.2 USGS
- 3.3 *geologist*
- 3.4 *ptriezenberg at usgs dot gov*
- 3.1 *Jessica Robertson*
- 3.2 USGS
- 3.3 *media specialist*
- 3.4 *jrobertson at usgs dot gov*
- 3.1 *Dale Chayes*
- 3.2 LDGO
- 3.3 *science officer*

3.4 *dale at Ideo dot columbia dot edu*  
3.1 *Steve Roberts*  
3.2 *UCAR/LDEO/NSF*  
3.3 *computer technician*  
3.4 *sroberts at ucar dot edu*  
3.1 *Tom Bolmer*  
3.2 *computer technician*  
3.3 *WHOI*  
3.4 *tbolmer at whoi dot edu*  
3.1 *Rebecca Gast*  
3.2 *WHOI*  
3.3 *research biologist*  
3.4 *rgast at whoi dot edu*  
3.1 *Robert Sanders*  
3.2 *Temple U dot*  
3.3 *research biologist*  
3.4 *robert dot sanders at temple dot edu*  
3.1 *Pablo Clemente-Colon*  
3.2 *NIC/NOAA*  
3.3 *ice observer*  
3.4 *Pablo dot Clemente-Colon at natice dot noaa dot gov*  
3.1 *Brian van Pay*  
3.2 *US Department of State*  
3.3 *geographer*  
3.4 *vanpayb at state dot gov*  
3.1 *Capt. John Stewart*  
3.2 *Canadian CG*  
3.3 *command liaison*  
3.4  
3.1 *George Neakok*  
3.2 *BASC*  
3.3 *community liaison*  
3.4 *basc at arcticsscience dot org*  
3.1 *Justin Pudenz*  
3.2 *MRAG*  
3.3 *mammal observer*  
3.4 *justinpudenz at yahoo dot com*  
3.1 *Kelley Brumley*  
3.2 *UA Fairbanks*  
3.3 *graduate student*  
3.4 *fskjb20 at uaf dot edu*  
3.1 *Capt. Frederick Sommer*  
3.2 *U.S. Coast Guard*  
3.3 *Captain, USCGC Healy*  
3.4 *Frederick dot J dot Sommer at uscg dot mil*

#### 4 [PORTS]

4.1 [START]

- 4.1.1 *Barrow, Alaska*
- 4.1.2 *2008-08-26 UTC*
- 4.2 *[END] Y*
- 4.2.1 *Barrow, Alaska*
- 4.2.2 *2008-10-01 UTC*

#### 5 [LOCATION]

- 5.1 *Arctic Ocean*
- 5.2 *| -158.25E/-124.71W/71.06S/81.97N|*
- 5.1 *Canada Basin*
- 5.2
- 5.1 *Chukchi Plateau*
- 5.2

#### 6 [PLATFORM]

- 6.1
- 6.2

#### 7 [INSTRUMENTATION]

- 7.1 *SONAR: multibeam*
- 7.2
- 7.3 *ship*
- 7.4 *NSF*
- 7.5 *Kongsberg*
- 7.6 *EM122*
- 7.1 *Navigation: DGPS*
- 7.2
- 7.3 *ship*
- 7.4 *USCG*
- 7.5 *Trimble*
- 7.6 *AGGPS-AGI32*
- 7.1 *Sub-bottom profiler: 3.5 kHz Chirp*
- 7.2
- 7.3 *ship*
- 7.4 *USCG*
- 7.5 *Knudsen 3.5 kHz*
- 7.6 *320 B/R*
- 7.1 *sea gravimeter*
- 7.2 *221*
- 7.3 *ship*
- 7.4 *WHOI*
- 7.5 *Bell*
- 7.6 *BGM-3*
- 7.1 *sea gravimeter*
- 7.2 *222*
- 7.3 *ship*
- 7.4 *WHOI*
- 7.5 *Bell*

7.6 BGM-3  
7.1 ADCP: 150 kHz  
7.2  
7.3 ship  
7.4 USCG  
7.5 Broad Band  
7.6 150  
7.1 ADCP: 75 kHz  
7.2  
7.3 ship  
7.4 USCG  
7.5 Ocean Surveyor  
7.6  
7.1 CTD  
7.2  
7.3 CTD fish  
7.4 NSF  
7.5 SBE  
7.6 911plus  
7.1 XBT  
7.2  
7.3 ship  
7.4 USCG  
7.5 Sippicon  
7.6 T-5, T-7

## 8 [DATASET]

8.1 Bathymetry  
8.2 Sonar: Multibeam  
8.3 Release  
8.4 Danforth, William  
8.1 Sub-bottom Profiler  
8.2 3.5 kHz sub-bottom  
8.3 Release  
8.4 Childs, Jonathan  
8.1 Marine Gravity  
8.2 Bell BGM-3  
8.3 Release  
8.4 Childs, Jonathan

## 9 [AWARD]

9.1 U.S. Geological Survey  
9.2  
9.3  
9.4

## 10 [NARRATIVE]

10.1 Marine Geophysics, Oceanography, Bathymetry

10.2 <http://www.icefloe.net/forms/submitted.php?recordID=973>

10.3 *The first U.S. – Canada two-icebreaker expedition to the Arctic by the Canadian Coast Guard Ship Louis S. St-Laurent (Louis) and U.S. Coast Guard Cutter Healy (Healy). The purpose of this field program was been to determine sediment thickness and velocity structure, stratigraphic architecture, and basement framework of the Arctic Ocean seafloor in support of requirements for identifying Canadian and US extended continental shelf maritime zones under terms of Article 76 of Convention on the Law of the Sea. The program was focused on the geologic structures and dynamic processes that control the distribution of sediment, including the manner in which the processes of the slope meet the deep sea floor, and the places where sediment is thickest due to the coincidence of basement depressions and abundant sediment supply. Meteorological and ice observations were conducted, as well as water sampling and microbiology research.*

10 *Rendezvous with CCGS Louis S. St. Laurent on 9/9/2008 11:51 PM  
Part company with CCGS Louis S. St. Laurent on 9/28/2008 04:36 AM*

10.4 *DataProcessing*

*Note: all bathymetry and sub-bottom collected within the Canadian 200-nm EEZ are embargoed until released by Canadian Hydrographic Survey; navigation, gravity, ADCP, and all other sensors are available in entirety.*

*[METADATA AUTHOR]*

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