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AWS-08 Cruise leg: HLY08-02
Embarkation: Dutch Harbor 29 March 2008
Disembarkation: Dutch Harbor 06 May 2008

HLY08-02 Summary

The purpose of this cruise was to collect data in order to understand how the ecosystem in the Central Bering Sea depends on seasonal ice and how the ecosystem may change under reduced ice conditions and warmer climate. A variety of sample collection methods were used during the course of the cruise to investigate the biology, hydrography and chemistry of the study area south of St. Lawrence Island. These methods included CTD casts, varied zooplankton net casts, Van Veen grabs, multicores and benthic camera deployments among several others. A concurrent ice sampling effort involved personnel deployments to the sea ice for ice coring, in situ plankton incubation and other scientific activities. Throughout the cruise underway sampling systems analyzed depth, current, fluorescence, dissolved oxygen, temperature and other variables.

The files found in the Meta_Data directory on volume 1 of the underway DVD's encompasses the work completed, problems experienced, and solutions found for the ship's science systems. It also contains contact information for involved personnel.

Stephen M Elliott, LTJG USCG
Marine Science Officer, USCGC HEALY