Five Areas of Responsibility







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NDSF DATA MANAGEMENT

(1) Video and Imaging Systems (2)
Real-Time Data
Logging
and Display

(3)
Pre-Cruise and
Post-Cruise
Coordination

(4) At-Sea Processing Pipeline and QC (5) Processing Tools



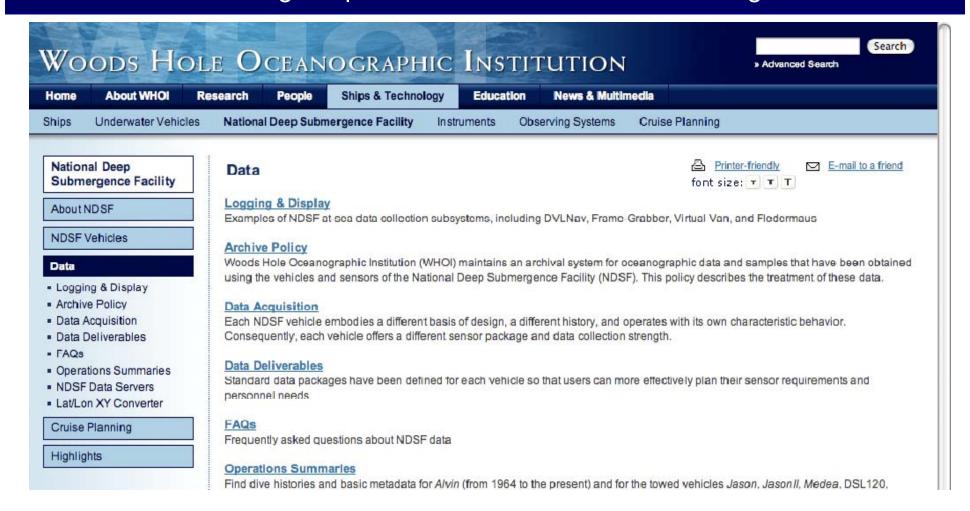


NDSF Data Archives





Web Page Improvements for Pre-cruise Planning



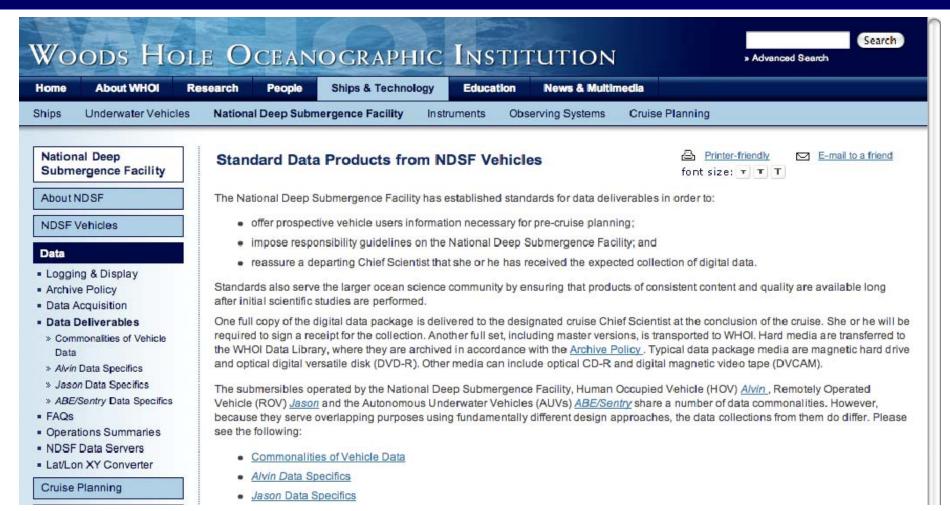








Listing of Standard Data Products for Pre-cruise Planning











Frequently Asked Questions for Pre-cruise Planning











Data Archives

"Management of Data" = management of cruise data plus management of corporate knowledge

Data Server

ndsfdh1.whoi.edu
Acquired in 2008
Dual quad-core CPUs, 4GB RAM, RAID, SCSI

Cruise Data

Data from Spring 2008 dives onward will be staged online

Data is online in order to:

- Maintain constant availability, i.e., not in a storeroom on media of finite lifetime
- Be available to be ingested into knowledge bases









Data Archives

NDSF Corporate Knowledge via NDSF Communication Portal

- Version control server for in-house software development
- Issues tracking through forums and NDSF-defined taxonomy
- Document management
- Logging through wiki and blogging
- All protected by RAID redundancy and tape backup
- Available to NDSF personnel on shore and at sea

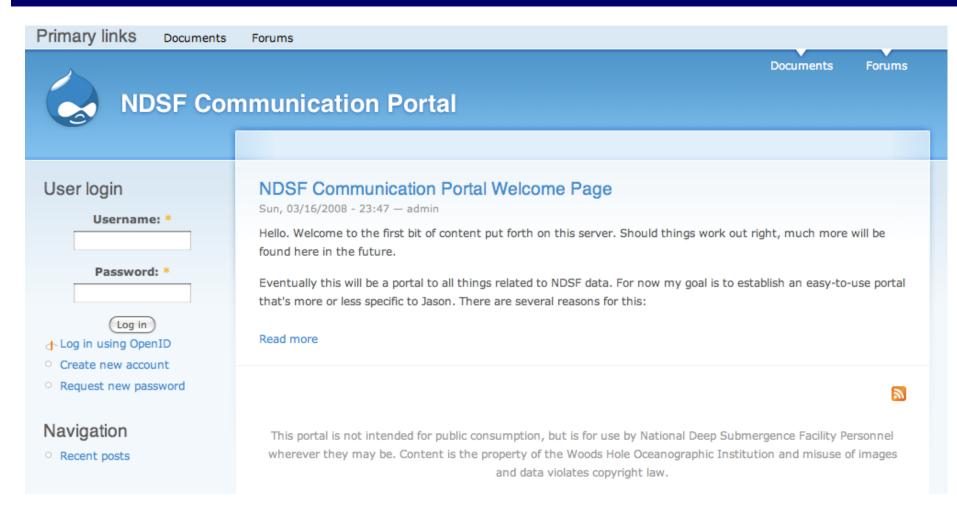








Corporate Knowledge











At-Sea Processing and Data Logging

Current Activities

Alvin: turn-key navigation QC for Atlantis SSSG use

Sentry: maturation of Reson sonar processing continues, merge with Mbsystem

 Jason: new Eventlogger, to be exercised during Mercer (June) a Reysenbach (July) cruises











Video and Imaging Systems

- Video capability within new Jason control vans improved
 - Support for both SDI (HD-ready) and composite (legacy)
 - Flexible control of many more views
- •High definition upgrade for Jason progresses









Five Areas of Responsibility

