

## **DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)**

### **1. New shipboard data archiving/sign-off sheet - comments...**

### **2. Frame-grabber - Alvin and Jason2**

Examples and practical approach to providing useful data and metadata on a real-time and archiving basis as well as a template for migration of legacy data.

### **3. WHOI archives/data website and suggested improvements**

- a. moving up information access to NDSF vehicles
- b. including other vehicle imagery besides Alvin
- c. prototyping moving visual data migration scheme using EPR and Endeavour Ridge2000 Integrated Study Site data (Fornari and Kelley)
- d. completion of Alvin 'Best Hits' collection

### **4. Summary of income from NDSF vehicle imagery/data and WHOI outreach**

## **DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)**

**1. New shipboard data archiving/sign-off sheet - comments...**

**Sample and Data Log.doc**

# DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)

## 2. Frame-grabber - Alvin and Jason2

Examples and practical approach to providing useful data and metadata on a real-time and archiving basis as well as a template for migration of legacy data.

The screenshot displays the Jason Virtual Control Van interface, which is used for monitoring and controlling the ROV Alvin. The interface is divided into several sections:

- Monitors:** Three video feeds labeled MONITOR 1: SubSea1, MONITOR 2: SubSea2, and MONITOR 3: SubSea3, showing the ROV's perspective of the underwater environment.
- Data Panel:** A central panel displaying various parameters:
  - DAQ: atlv7120.Jason
  - Time: 2002/09/17 18:37:51
  - Hdg: 206.460
  - Lat: 47 57.295069 N
  - Lon: 129 5.770816 W
  - Alt: 4.320
  - Depth: 2169.686
  - Bathy: 2174.006
  - DegC: 2.014
  - Cond: 3.142
  - Salin: -999.000
  - SVel: -999.000
  - MagX: 59600.0
  - MagY: 389600.0
  - MagZ: 319666.7
  - MagT: 507471.3
- Event Information:** Type: EVT NavSrc: JAS2 AttSrc: Event: TXT bottle filling
- Coordinates:** X: 5108.990 Y: 6784.448 Z: Pitch: -13.560 Roll: 1.740
- Navigation and Playback:** A control bar with buttons for Show All, Find, and a search input field. It also includes playback controls (FIRST, STOP, PLAY, DISPLAY, LAST) and a Goto field set to 7290. A RefreshRate of 15 is displayed.
- Log Window:** A list of events with timestamps and descriptions:
  - 7290. 2002/09/17 18:37:51 EVT bottle filling
  - 7291. 2002/09/17 18:38:09 EVT sample done
  - 7292. 2002/09/17 18:39:56 EVT major 15 at 212 degrees
  - 7293. 2002/09/17 18:44:52 EVT going to the base to look for a Lang sampling site
  - 7294. 2002/09/17 18:55:59 EVT no location here for the lang sampler
- Help Section:** A button labeled Help and a status indicator Control Panel Searching...
- Footer:** atlv7120 - Juan De Fuca, CRUISE INFO | SELECT ANOTHER CRUISE, and Jason Virtual Control Van.

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### **2. Frame-grabber - Alvin and Jason2**

Examples and practical approach to providing useful data and metadata on a real-time and archiving basis as well as a template for migration of legacy data.

[file:///Users/dfornari/Desktop/ARCHIVING  
STUFF/framegrabber/Alvin-D3874/html/S0364.html](file:///Users/dfornari/Desktop/ARCHIVING%20STUFF/framegrabber/Alvin-D3874/html/S0364.html)

## **DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)**

### **3. WHOI archives/data website and suggested improvements**

a. moving up information access to NDSF vehicles

<http://www.whoi.edu/marops/vehicles/index.html>

b. including other vehicle imagery besides Alvin

## DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)

- c. prototyping moving visual data migration scheme using  
EPR and Endeavour Ridge2000 Integrated Study Site  
data (Fornari and Kelley)

[ENDEAVOUR.htm](#)

[EPR\\_LIST\\_EXAMPLE.htm](#)

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- c. prototyping moving visual data migration scheme using  
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[file:///EPR\\_Web\\_Galleries/1996\\_EPR-webgallery/index.htm](file:///EPR_Web_Galleries/1996_EPR-webgallery/index.htm)

## **DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)**

d. completion of Alvin 'Best Hits' collection

[http://www.whoi.edu/marops/vehicles/deep\\_submerge.html](http://www.whoi.edu/marops/vehicles/deep_submerge.html)

<http://dsg.whoi.edu/alphotos.nsf?OpenDatabase>



## **DESSC Spring 2003 Meeting NDSF Archiving (D. Fornari)**

### **4. Summary of income from NDSF vehicle imagery/data and WHOI outreach**

Underwater still and video images from NDSF vehicles have appeared in 7 popular books, 16 textbooks, 3 exhibits (such as the current Dive and Discover exhibit at the Museum of Science in Boston), 3 magazine articles and 8 television productions (including Australian Broadcasting, Discovery Channel, Korean Broadcasting, and Chedd-Angier)

**Total 2003 income received to date is \$8,101.**

Does not include dozens of still images or video footage we supply routinely to NSF or other funding agencies, collaborating researchers and institutions, and internal requests. Also note that some of those listed above were not charged, which is generally the case.