

## **NDSF Archives Status & Information-DESSC AGU 2001**

### **ARCHIVES CONTENT:**

#### **Alvin Moving Images**

Hi8 video, 5850 tapes, first used on  
Dive#2469, Dec., 1991 to present

8mm video, 1360 tapes, first used on Dive  
#1862, May, 1987

Singe reel video, 125 tapes, used during  
Dives #502-895, ca 1974-1979, with  
many gaps

VHS, 1742 tapes, used on Dives #646-  
2487, not consecutive, mainly on Dives  
1300s-1700s, in 1980s

3/4" or Umatics tapes, 375 tapes, used on  
Dives 884-1769, not consecutive, often  
labeled 'dupe or handheld'

Betacam, 94 tapes on Dives#1715, #2684-  
2694, #2840-2854, acquired through use  
of W. Lange (WHOI) equipment with  
various scientists



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### *Alvin Moving Images*

173 DVCam digital video tapes, Hi8 format stopped with Dive #3653 and DVCam digital tapes start up with Dive #3660 (test dives in the gap)

Archives have Alvin video data up to and including Dive #3712, 9/28/2001

### *Alvin Still Images*

3000 rolls of 35mm film taken with external bow cameras, (150 rolls cleaned and duped, mainly from Dives #200-900)

9 CDs of digital photos taken during cruises

32 CDs of digitized 'best' 35mm images, up to Dive #2000 (late 1980s). Currently seeking funding to complete this effort and make the images available for science and outreach. Some images available at:  
<http://www.marine.who.edu/alphotos.nsf?OpenDatabase>



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### *ROV Jason and Argo II Moving Images*

Mainly Hi8 video tapes of Jason dives and Argo II lowerings since ~1994

**DVCam or DVD planned for Jason and Argo II video recording post-ROV upgrade in Fall 2002**

### *ROV Jason and Argo II Still Images*

Rolls of 35mm film taken with cameras on ROV or Argo II, originals either film positives or negatives (with accompanying film positive).

Exabyte tapes and CDs of Electronic Still Camera digital images

In the existing NDSF Archives, where storage conditions (temperature, humidity & darkness) are controlled, we can reasonably expect 35mm film to last 50 to 75 years. This estimate is based on data from the North East Document Conservation Center.



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### **Material Added to NDSF Archives in CY2000**

ROV Jason, Argo II, DSL-120 sonar  
from 10 expeditions

1,527 video and data tapes

105 CDs

20 other media (Jaz, Zip...)

8 floppies

14 reels 35mm film

17 accompanying notebooks or logs

Alvin -12 dive programs

745 video tapes

34 reels 35mm film

24 CDs

28 floppies

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<http://www.mblwhoilibrary.org>

Example of an online catalog record for ROV material in Machine Readable Cataloging (MARC) a Meta-data scheme the same as used for books and journals.

Online Catalog/Database: MBL/WHOI Library

Primary Author/Scientist/Creator: Fornari, Daniel J.

Title: Melville [videorecording] / Dan Fornari, chief scientist.

Primary Material: Projected Visual Material

Publisher:2000.

Online Catalog/Database: MBL/WHOI Library

Location: WHOI - Data/Document Library

Holdings: 188 Hi8 Archive video: 001-A - 188-A

62 8mm data tapes: raw DSL 120 sonar: CPX001- 062

53 8mm data tapes: INT DSL 120 sonar: INT001- 053

51 8mm data tapes: raw DSL 120 ESC: ESC001- 051

53 8mm data tapes: raw DSL 200 sonar: CPX001-053

1 8mm data tape : INT DSL 200 sonar: INT001

22 8mm data tapes: proc DLS 120:

1 8mm data tape : misc DLS 120:

4 8mm data tapes: anson

59 CD's: backups of proc. data ARGO and DSL-120

10 8mm data tapes: proc ESC's (tifs), tar backups



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<http://www.marine.who.edu/divelog.nsf?OpenDatabase>

*Example online catalog record format for Alvin material*

Dive Number

Cruise

Chief Scientist

Observers

Lat./Long.

Pilot

Times

Funding Agency

Media and Data Inventory

Observed and Sampled (taken from the check-off list on the yellow dive sheets)



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## Ongoing Work to Improve NDSF Archives

- Improve visibility of NDSF archives – make visual media and data access information widely available through published articles and newsletters (UNOLS, RIDGE2K, EOS, etc.), and establish links to NDSF Archives from other national databases
- Complete scanning of 35mm Alvin images to CY1999 data, and make available as CD sets and online with Meta-data tags
- Ensure proper documentation of various data formats with NDSF data, especially navigation, time, etc.
- **NB- Alvin time is now recorded as GMT in order to be consistent with standard oceanographic log-keeping and consistent with ROV/tethered vehicle operations**

