

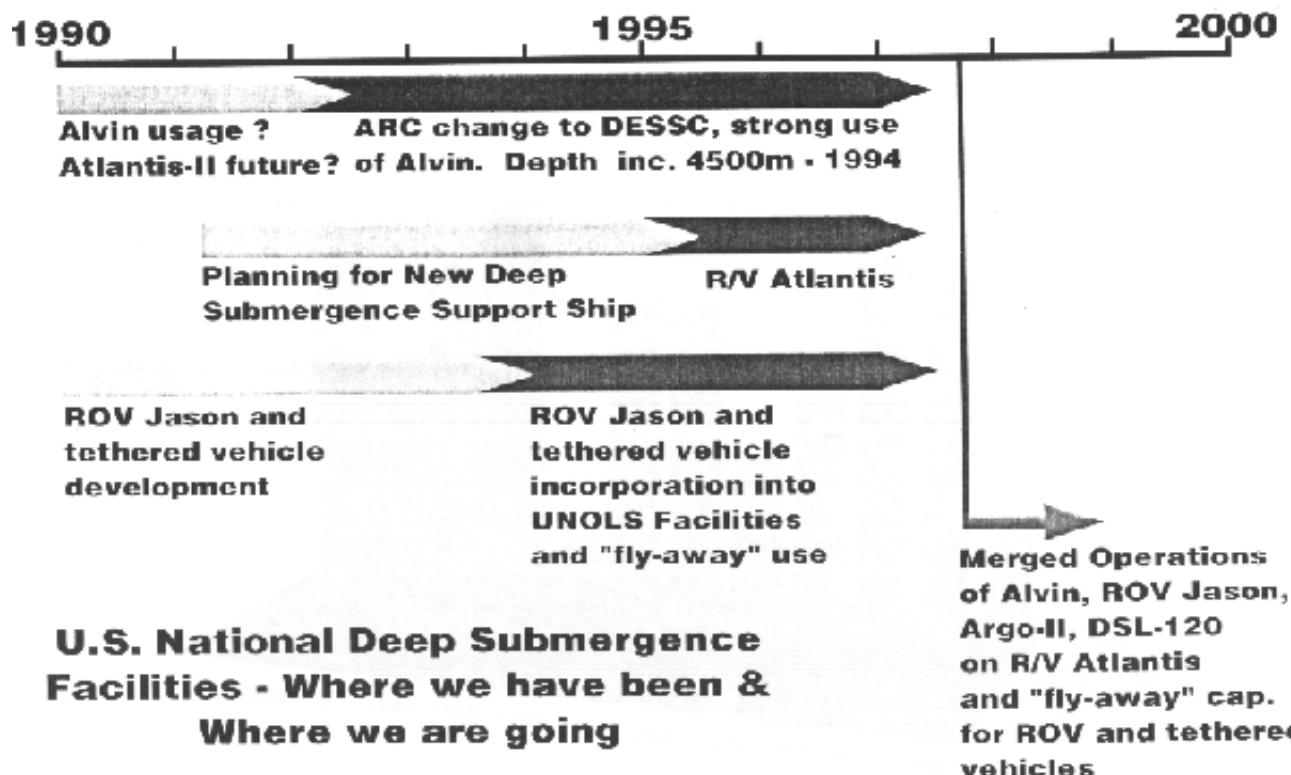
# **APPENDIX IX**

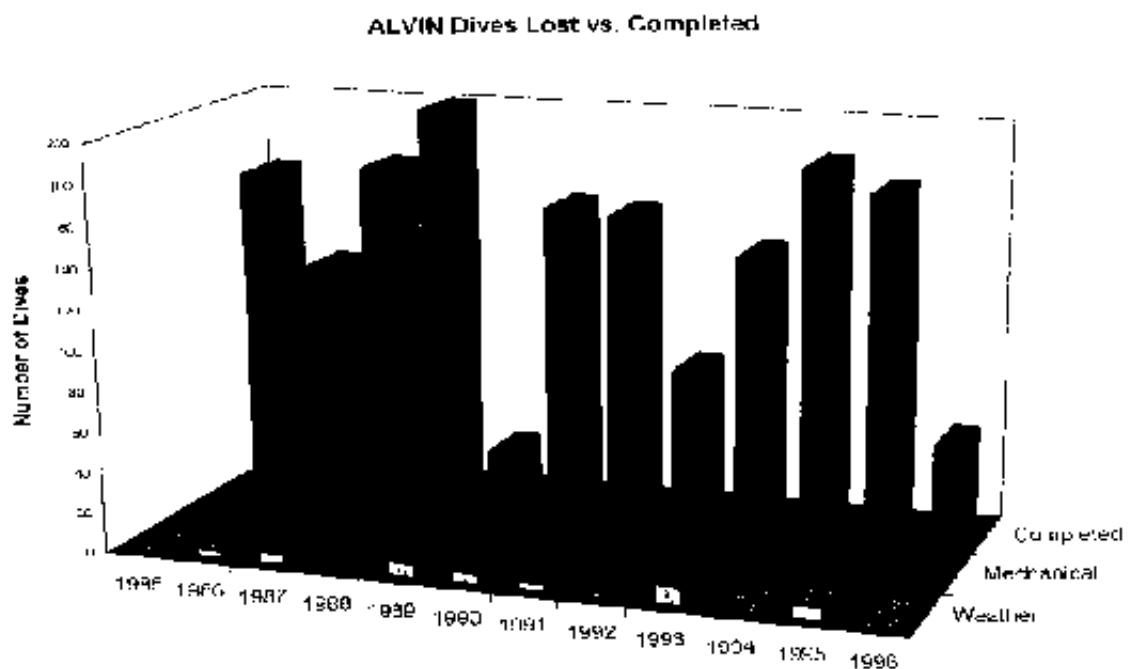
**1996-7 ALVIN/ROV/ATLANTIS Operations**

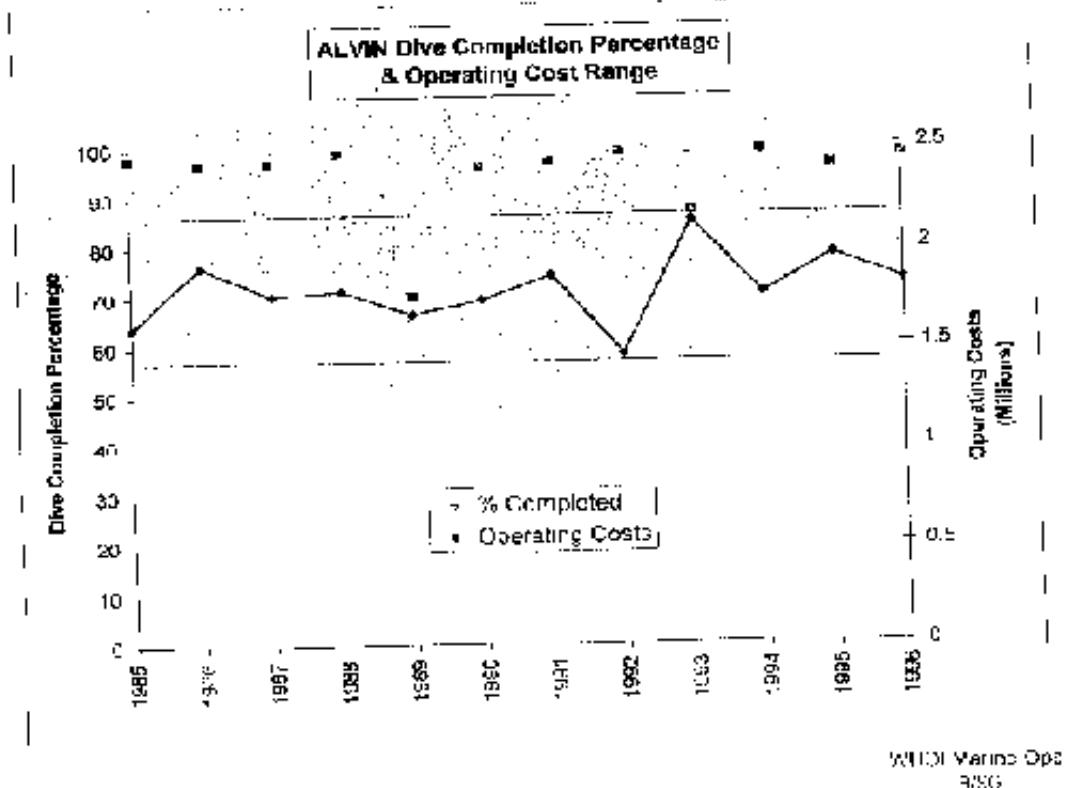
*December 1996  
DESSC Meeting*

*Deep Submergence  
Group*

*Woods Hole Oceanographic Institution*







# *ALVIN - 1996*

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-  **Days at Sea:** 86
-  **Assigned Operating Days:** 78
-  **Scientific Cruises:** 5
-  **Dives Completed:** 49 of 50
-  **Average Dive Duration:** 7.2 hr
-  **Average Bottom Time:** 4.7 hr
-  **Reasons for Dive Termination  
(final 17 dives):**
  - 16 Work Complete
  - 1 Ran Out of Time

# *ROVs - 1996*

## ● **Luster '96 (Fornari/Humphris) R/V KNORR**

- On Bottom:
  - 7.7 days of DSL120
  - 4.9 days of Argo-II
  - 4.7 days of Jason
- Transponders launched/surveyed: 25
- Hydrothermal water samples: 30
- Biological sample containers: 11

## ● **TN-064 (Johnson/Tivey) R/V THOMPSON**

- On Bottom:
  - 8 days of Jason
- Transponders launched/surveyed: 19
- Magnetometers recovered/deployed: 5/4
- Thermal blanket deployments: 13
- Rock samples (kg): 118

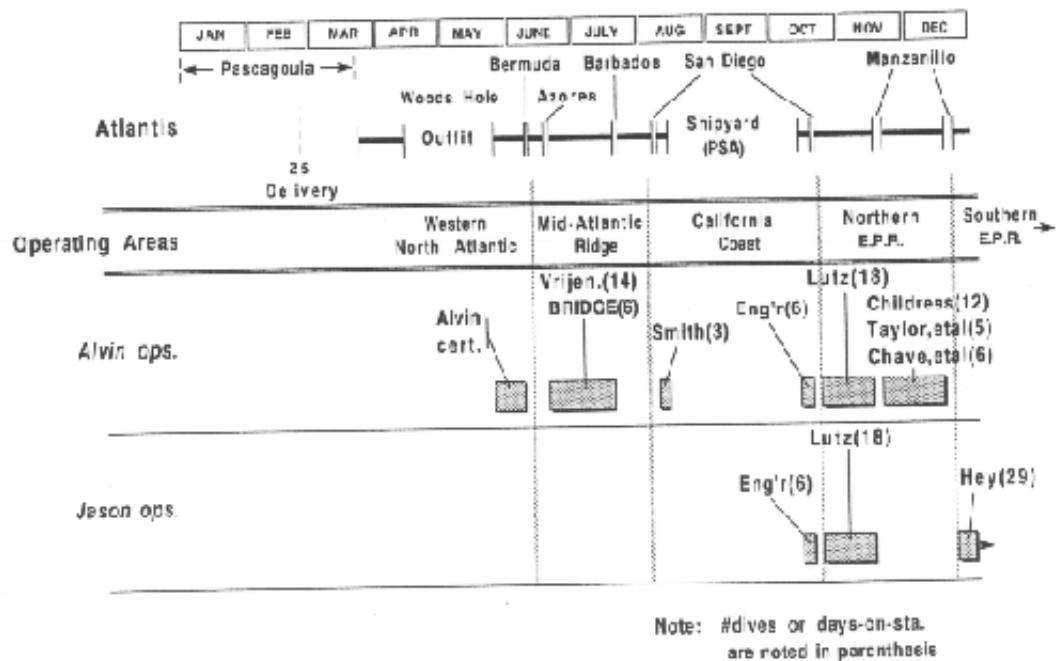
## ● **Sojourn (Haymon/Macdonald) R/V MELVILLE**

- On Bottom:
  - 3 days of DSL120
  - 15 days of Argo-II
  - 0.4 days of Medea
- Transponders launched/surveyed: 18
- Length of ridge crest surveyed (km): 137
- Electronic still images: 96,112
- OBS recovered with Medea: 2

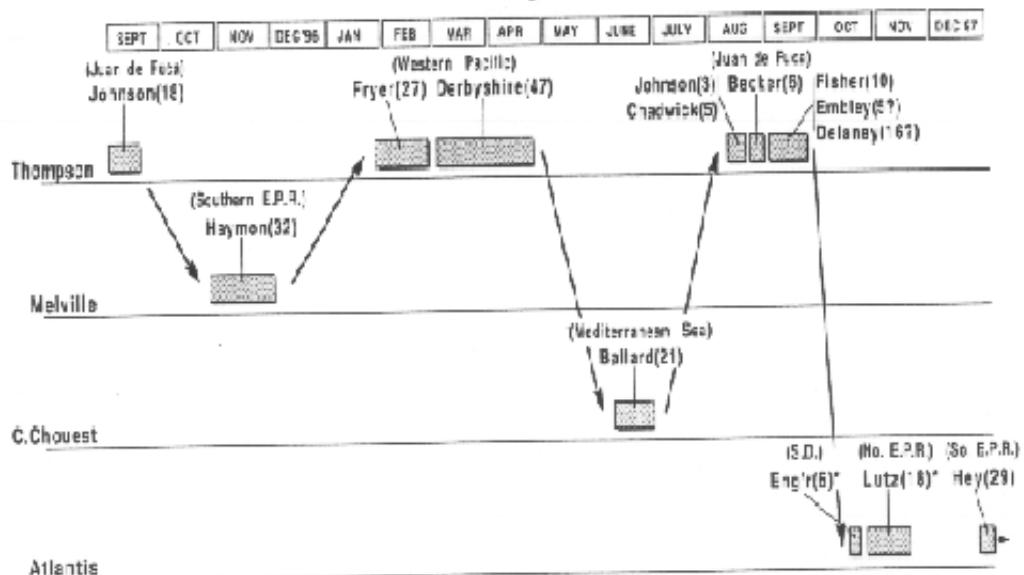
1997

**R/V ATLANTIS**

1997

**Proposed Ship Schedule**

1996 & 1997  
Jason/Argo/DSL-120



\* Potential joint Alvin ops.

Note: \*dives or days-on-sis.  
are noted in parentheses

**1998**  
**R/V ATLANTIS**  
Funded Alvin/ROV Dive Requests

**Southern East Pacific Rise**

<u>P.I.</u>	<u># sci.days</u>	<u>Vehicles</u>
R. Hey, UH	2 9	DSL-120
J. Sinton, UH	2 5	Alvin + DSL-120
M. Lilley, UW	2 7	Alvin
R. Vrijenhoek, Rutgers	1 4	Alvin
J. Lupton, PMEL *	2 0	Alvin + Jason
T. Urabe, JGS **	7	Alvin
Other ***	8 5	Alvin + Jason + 120

\* Pending proposal to NOAA

\*\* Pending proposal to SAR, Japan

\*\*\* Total pending science days proposed to NSF

**Northern East Pacific Rise**

<u>P.I.</u>	<u># sci.days</u>	<u>Vehicles</u>
vanDover/Chave, UA (2nd of 2 yrs)	6	Alvin
R. Lutz, Rutgers (2nd of 3 yrs)	2 3	Jason

**Equatorial Pacific (Hess Deep)**

<u>P.I.</u>	<u># sci.days</u>	<u>Vehicles</u>
J. Karson/Duke	2 0	Alvin + Jason