

2006 ALVIN Operation Areas

National Deep Submergence Facility Operator's Report



2006 Alvin Schedule

DESSC
November 2006

National Deep Submergence Facility Operator's Report

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
TOOLE	N. ATL Non-ALVIN				CERT DIVES	ROBERTS NURP	HILTON	LEVIN	SMITH	BOOKSH KELLEY	BECKER	ORPHAN LEVIN	MULLINEAUX	VONDAMM	MULLINEAUX
						TRANSIT									
					BDA	Gulf Mexico	Cost Rica Ridge	N. Cal & OR.							
					BDA	NOAA			JdF		SEATTLE		BRIGHT		
					BDA Key West					N. CAL OR					

Alvin Overhaul
May 2006

Atlantis Shipyard
6-8 weeks



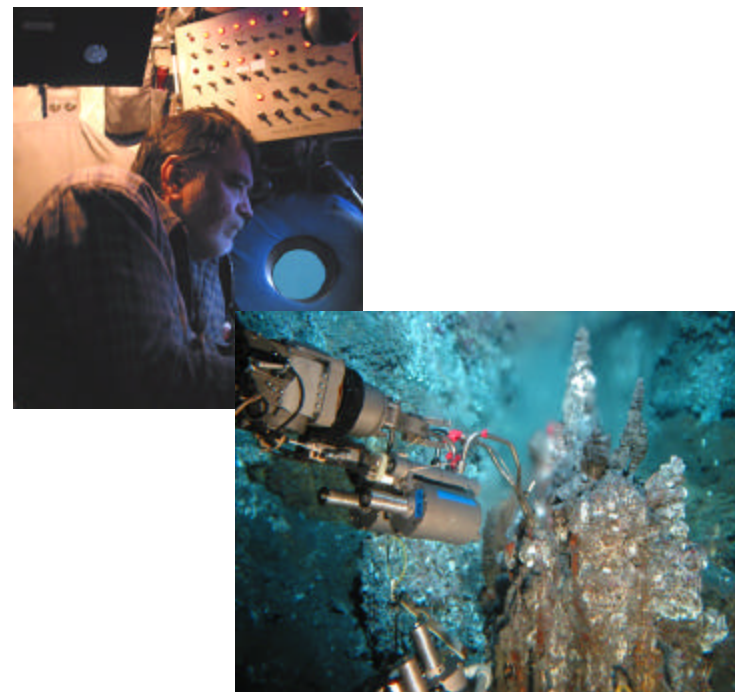
NAVY 3
NSF 211
NOAA 43 + 3 MMS
OTHER 4
TOTAL DAYS 264



2006 *Alvin* Operations Summary

National Deep Submergence Facility Operator's Report

- **239 operating days**
- **10 science cruises**
- **128 days on station**
- **96 dives so far (130 planned)**
- **11 dives lost**
(9 weather, 1 medical emergency,
1 mechanical)
- **615 hrs submerged (26 days)**
- **7.3 hrs avg/dive**
- **413 hrs on bottom (17 days)**
- **4.9 hrs avg bottom time/dive**
- **1,964 m average depth**
- **\$1.8M budget**



Current Ops Group:

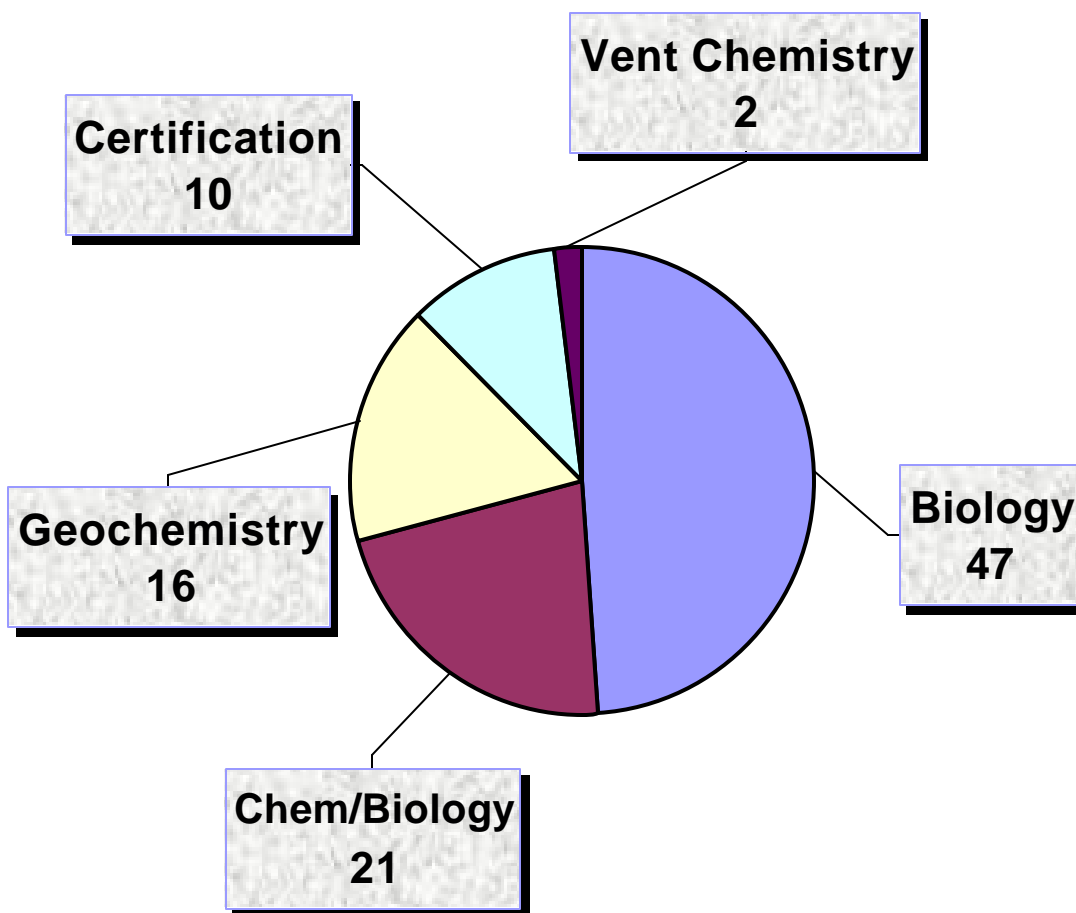
4 pilots

4 technicians



2006 *Alvin* Dive Discipline Breakout

National Deep Submergence Facility Operator's Report



2006 ROV Operation Areas

National Deep Submergence Facility Operator's Report



2006 ROV Schedule

National Deep Submergence Facility Operator's Report

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
HAYMON			MC-DONOUGH				BACH	FISHER		MOYER	T
			EMBLEY				TIVEY	CAVAN-AUGH		McGuire	A
Galapagos										Hawaii	L
			Guam				E. Manus Basin	Lau Basin			O
Medea										Jason	R
			Jason								H
Thompson			NOAA				Jason	Jason			a
			BOWEN								W
			ENG-Dive								a
							Melville	Melville		ENG-Dive	i
			Melville								J
										Melville	A
											S
											O
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											M



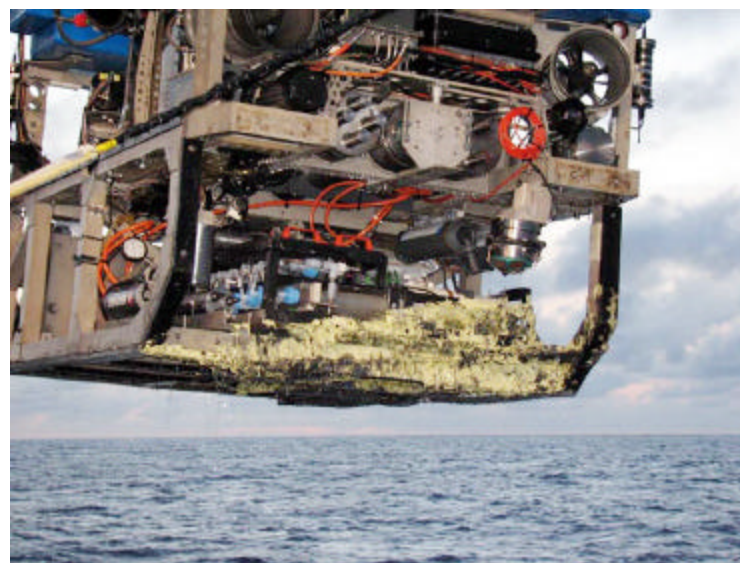
NSF 100
NOAA 32
Other 22
Total Days: 154



2006 ROV Operations Summary

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- 154 operating days
- 4 science cruises, 1 in progress
- 73 lowerings
 - ? 57 *Jason*
 - ? 6 *DSL-120* sonar
 - ? 10 *Medea*
- 1,567 hrs on bottom (65 days)
- Longest *Jason* dive: 42 hrs
- Single *DSL-120* dive of 150 hrs
- Highlights:
 - ? Multi-chamber suction sampler -- complete and now operating
 - ? Replaced control van science video monitor
 - ? New forward-looking sonar installed
 - ? New *Jason* control vans at WHOI & ready for outfitting



Other NDSF Vessel Operations

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Feedback on ROV Support Ships for 2006: *Thompson, Melville, and Kilo Moana*

- RV operators have been very helpful accommodating our operations team during mob/demob. SIO is particularly efficient arranging all loading and unloading.
- New DP systems on *Melville* (and *Knorr*) perform very well and general training/familiarity continues to improve.
- Great effort by Tom Althouse and MARFAC/*Melville* people on recovery from the wire failure.
- *Melville* lab space is very tight – there is limited space for the *Jason* ops team to setup interior equipment.

