

NDSF Vehicle Operations Summary

Rick Chandler



DESSC
13-14 June 2005



2005 *Alvin* Operations Summary

- **Engineering dive during Karson cruise in February**
 - New engineering dive paradigm: during science cruise
 - Full operational and science equipment check-out
- **Four science cruises so far:**
Karson, Vrijenhoek/Van Dover, Vetriani et al., Shank
- **48 dives completed**
- **2 dives lost to weather, 3 for medical emergency**
- **240 hours bottom time**
- **3 more science cruises scheduled this year**
- **New pilot: Gavin Eppard; 3 more PITs in the pipeline**
- **Overhaul coming up in November**



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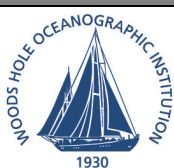
2005 ALVIN Schedule

NDSF Operator's Report

DESSC
JUNE 2005

JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC	
INSPECTION	TRANSIT	KARSON WALDEN (ENG. DIVE)	PITO DEEP	VRIJEN- HOEK VAN DOVER	S. PAC	TRANSIT	LUTZ TOLSTOY SHANK LUTHER	SHANK	BROWN HILTON	TRANSIT	HICKEY	MAINTENANCE	BOOKSH SEYFRIED TIVEY	WALDEN (ENG. DIVE)	BECKER COWEN	TRANSIT	BAB BAB BAB	SEATTLE - WOODS HOLE	NEW ENG- LAND	NOAA	WOODS HOLE	ALVIN OVERHAUL	
	SAN DIEGO																						

Overhaul 6-8 wks
May 2006



NSF 233
NAVY 1
NOAA 28
OTHER 9 (WHOI & COMRA)
TOTAL DAYS 271



2005 ROV Operations

- **Three science cruises:**
 - **Karson / *Atlantis* – Pito Deep – *Jason* and *DSL-120***
 - **Meg Tivey / *Melville* – Lau Basin – *Jason***
 - **Vrijenhoek / *Melville* – Lau Basin – *Jason***
- ***Jason*: 36 lowerings, 589 hours of data**
- ***DSL-120*: 1 lowering, 95 hours of data**
- **Highlights:**
 - ✓ **Insite digital still documentation camera**
 - ✓ **Pixelfly high altitude camera with strobes**
 - ✓ **New suction pump**
 - ✓ **SM-2000 sonar mapping**
 - ✓ **Rock/bio sampling**
- **Four more *Jason* cruises and one with *DSL-120* scheduled later this year**



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2005 ROV Schedule NDSF Operator's Report

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JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	KARSON WALDEN	TIVEY Meg BOWEN	TIVEY Meg WALDEN	VRIJEN- HOEK VAN DOVER	CHILDRESS			KELLEY WALDEN	Mc D U F F	S M I T H	H A Y M O N
	ALVIN JASON II	JASON II MOB	JASON II (Jason II) (Eng Dive)	JASON II	JASON II			JASON II	JASON II	JASON II	DSL-120
	PITO DEEP	S. PAC.	LAU BASIN	LAU BASIN	LAU BASIN		(Jason II) (Eng Dive) JdF	JdF	P A C I F I C	P A C I F I C	GALAPAGOS RIFT
	RV ATLANTIS	RV MELVILLE	R/V MELVILLE	RV MELVILLE	RV MELVILLE		RV THOMPSON	RV T H O M P S O N	RV T H O M P S O N	RV T H O M P S O N	RV THOMPSON



NSF 184
STATE 17
TOTAL DAYS 201

