



NDSF 2011



NDSF Overview

- Introductions
- Operations
- Highlights and Lowlights
- Issues and Actions



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Personnel Changes

NAME	ASSIGNMENTS
Andy Bowen	<i>Alvin</i> Upgrade Technical Director (Relief for Barrie Walden)
Carl Kaiser	<i>Sentry</i> Operations Manager and Expedition Leader
James Kinsey	<i>Sentry</i> Expedition Leader
Akel Sterling	<i>Jason</i> Expedition Leader
Chad Smith	Assistant Marine Operations Coordinator



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2011 Summarized

- Good vehicle utilization and overall availability; isolated equipment failures
- *Jason* had a busy and productive year with scheduling prioritizing ongoing time series studies
- *Sentry* continues to prove its versatility (including NRDA response)
- *Alvin* upgrade progressing, but continues to be challenging
- Good progress made on key issues of personnel depth
- Important progress made on imaging and data management



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Operations

VEHICLE	CRUISES	DIVES
Jason	7	56
Sentry	3	42
Totals*	10	98

*As of 11/30/11



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Highlights

- *Jason* logged longest single continuous dive at 139 hours
- *Jason* made successful recovery of stuck CORK
- *Sentry* reached a maximum depth of 5,866m, over two times deeper than ever before
- Rescue at sea

Lowlights

- *Atlantis* bow thruster failure
- Reson failure on *Sentry* during Kermadec cruise
- Winch failure on *Atlantis*
- Power loss on *Jason* after cable between *Jason* and *Medea* failed



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Issues and Actions

System/Service	Issues	Action
<i>Alvin</i> upgrade	<ul style="list-style-type: none"> • Delays • Science Verification Cruise • Imaging 	<ul style="list-style-type: none"> • NAVSEA process • Proposal requests • Jon Howland
<i>Sentry</i>	<ul style="list-style-type: none"> • Reson sonar failure • Ops management 	<ul style="list-style-type: none"> • Working with manufacturer • Trained new expedition leaders
Data Management	<ul style="list-style-type: none"> • Quality and quantity 	<ul style="list-style-type: none"> • Subcommittee • Interim solution



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Topics for Discussion

- *Sentry* utilization
- *Alvin* science verification cruise

Other Important Issues

- OOI vehicle requirements
- Evolution of the UNOLS fleet