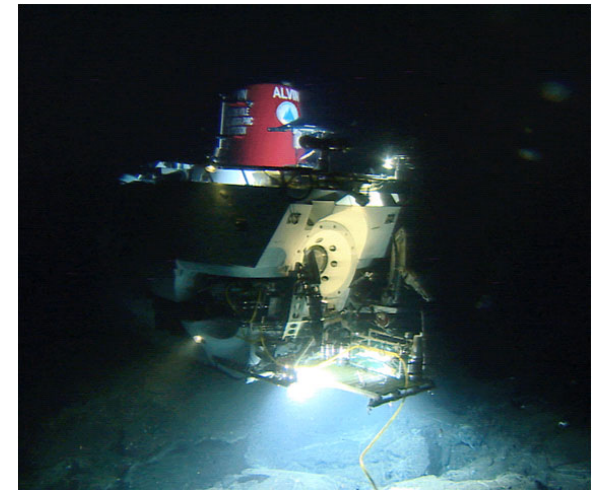


# National Facility Operator's Report

# 2007 *Alvin* Operations

DESSC  
December 2007

- **7 cruises completed, 2 upcoming**  
*EPR 9N, SoCal, JdF, OR Margin, Guaymas*  
*77 dives (92 projected)*
- **Four-month layup**  
*February-June*
- **Three engineering dives in late June**  
*Tested a variety of new equipment:*  
*LED lights, precision clock, Frangibolt releases*
- **Personnel**  
*New pilot – Sean Kelley*  
*PIT status – Mike McCarthy should qualify as pilot in Feb '08*  
*Two new techs – Jeff McDonald, Wyatt Jamison*

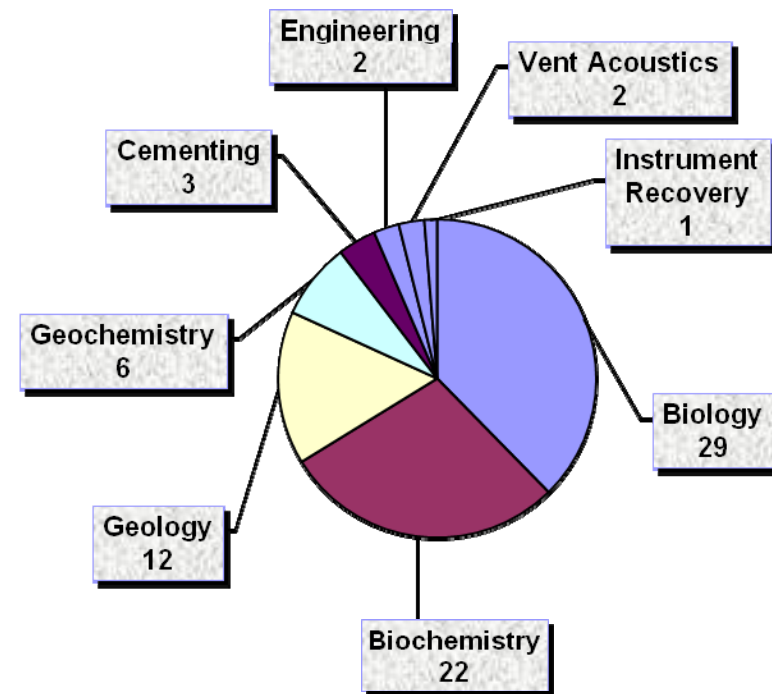


# National Facility Operator's Report 2007 *Alvin* Operations

DESSC  
December 2007

## Dive averages this year:

- Time submerged: **7.6 hrs**
- Bottom time: **5.1 hrs**
- Depth: **2,100 m**



# National Facility Operator's Report

# 2007 *Jason* Operations

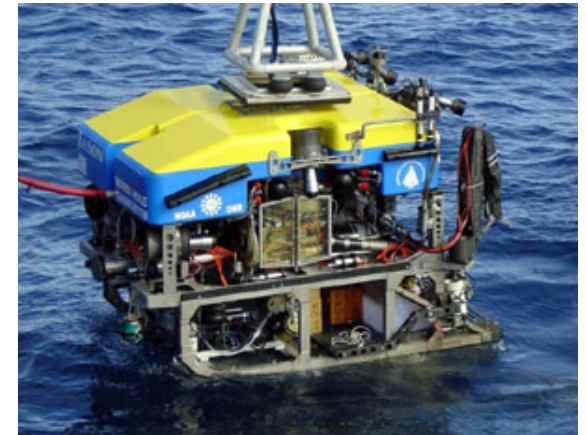
DESSC  
December 2007

- **Eight cruises this year**

72 lowerings, 1614 hrs bottom time

2006: 69 lowerings, 1159 hrs bottom time

*Only 3 more lowerings but almost 500 additional hours on the bottom*



- **New record for longest *Jason* lowering**

J2-265, AT15-17, Klein07 EPR9North: 100Hrs, 32Mins

- **First cruise ever completed with only one lowering**

AT15-20, Rathburn07, J2-285, off Monterey Bay: 99.5 hrs

- **First *Jason* ops aboard a European vessel**

German registered *Maria S. Merian*

- **First *Jason* working ops aboard R/V *Kilo Moana***



# National Facility Operator's Report

# NDSF Support Ships

DESSC  
December 2007

## *Atlantis*

- **June 2007 maintenance period upgrades:**
  - Installation of Kongsberg SDP-11 Dynamic Positioning System
  - Replacement of local engine control system for all six engines
  - Installation of new winch and crane load monitoring system
  - Prototyping of high speed and peak load detection system on both hydro winch wires

