Alvin Operations - 2009

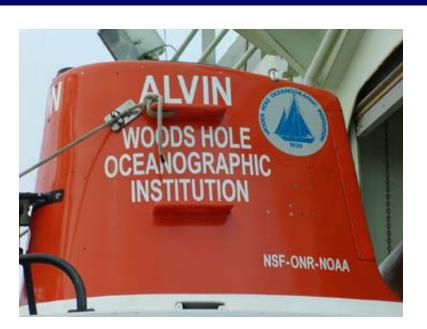
• 2 cruises completed, 5 upcoming

Costa Rica, Juan de Fuca, Guaymas Basin, Southern California 20 dives (81 projected for the year)

- Three month layup March-June
- 1 dive lost to weather
- Average dive duration: 8.27 hrs
- Average bottom time: 5.65 hrs
- Completed successful NAVSEA sustaining certification in April







DESSC June 2009

Jason Operations - 2009

- 3 cruises completed, 1 to go Tasmania, Mariana Islands, Lau Basin
- 39 lowerings
- Longest lowering: 50 hrs
- Over 475 hrs bottom time
- Vessel used: TG Thompson
- Highlight:
 - Real-time eruption video at Lau Basin







DESSC June 2009



ABE Operations - 2008

Two ABE cruises occurred in 2008:

1. Jan 11 – Feb 01, Jess Adkins, South of Hobart, Tasmania, 6 dives

Two sites: the Sisters Seamounts (44-19S 147-14E) and the Tasman Fracture Zone area (45-17S 146-0E) were studied over the six dives with resulting totals of:

Survey time:	73.5 hrs
Photo time:	50.2 hrs
Photo distance:	38.9 km
Multi-beam sonar time:	23.3 hrs
Multi-beam sonar distance:	38.3 km





DESSC June 2009 2. Aug 13 – Sep 07, Dr. Tao, COMRA & Jin Lin, WHOI, Galapagos, 4 dives

On this cruise four ABE dives were conducted using a combination of highresolution multi-beam mapping and seafloor photography to locate and characterize new hydrothermal fields near 2S on the East Pacific Rise.

Resulting vehicle totals:

Survey time:	56.2 hrs
Photo time:	29.1 hrs
Photo distance:	31.8 km
Photos taken:	20,713
Multi-beam sonar time:	27.1 hrs
Multi-beam sonar distance:	51.3 km



