

# Alvin Operations - 2008

- **8 cruises completed, 1 upcoming**  
*EPR 9N, JdF, Guaymas Basin, Sea of Cortez, Hoke Seamount*  
*95 dives (107 projected)*
- **Three month layup**  
*January-April*
- **Three engineering dives**  
*n456 nav tests, low light color camera tests*
- **5 dives lost to weather, 2 to medical emergency**
- **Average dive duration: 8.08 hrs**
- **Average bottom time: 5.44 hrs**
- **NBC Today Show dive with Ann Curry**



# Jason Operations - 2008

- **5 cruises completed, 1 to go**  
*Gulf of California, MAR, Loihi Seamount, Aloha Obs*
- **56 lowerings so far**
- **Deepest dive in 2008: 4,730m**
- **Longest lowering: 55 hrs**
- **Over 600 hrs bottom time**
- **Vessels used: AT, Revelle, TGT**
- **Highlights:**
  - *New control vans*
  - *DSC camera on pan & tilt*
  - *Turn-around time flexibility*



- *Pre-cruise planning*
- *Sonardyne USBL*
- *HD camera*



# ABE/Sentry Operations - 2008

## ABE

- **Adkins cruise**
  - 6 dives, 78 km track lines*
  - 36,000 photos*
  - 3 km<sup>2</sup> sonar coverage*
- **COMRA cruise**
  - 4 dives, 83 km track lines*
  - 20,600 photos*
  - 1.5 km<sup>2</sup> sonar coverage*
- **Deepest dive:** 2,943 m
- **Longest duration dive:** 18.3 hrs, 20 km photo survey
- **Total cumulative time on bottom:** 131 hrs
- **Ships used:** *Southern Surveyor, Da Yang Yi Hao*
- **Highlights:**
  - *First dives in the Southern Ocean for ABE*
  - *Discovery of new hydrothermal sites at 2° S, EPR*



# ABE/Sentry Operations - 2008

## Sentry

- **German cruise**
  - 8 dives*
  - 14 hours in water*
- **Delaney/Kelley cruise**
  - 6 dives*
  - 210 km track lines*
  - 46 km<sup>2</sup> sonar coverage*
- **Deepest dive:** 2,568 m
- **Longest duration dive:** 17.7 hrs
- **Total cumulative time on bottom:** 99 hrs
- **Ships used:** *Oceanus, Thompson*
- **Highlights:**
  - *First deep ocean dives for Sentry (>2,400 m)*
  - *First scientific use of Sentry: map making for OOI using new multibeam sonar and navigation system*

