

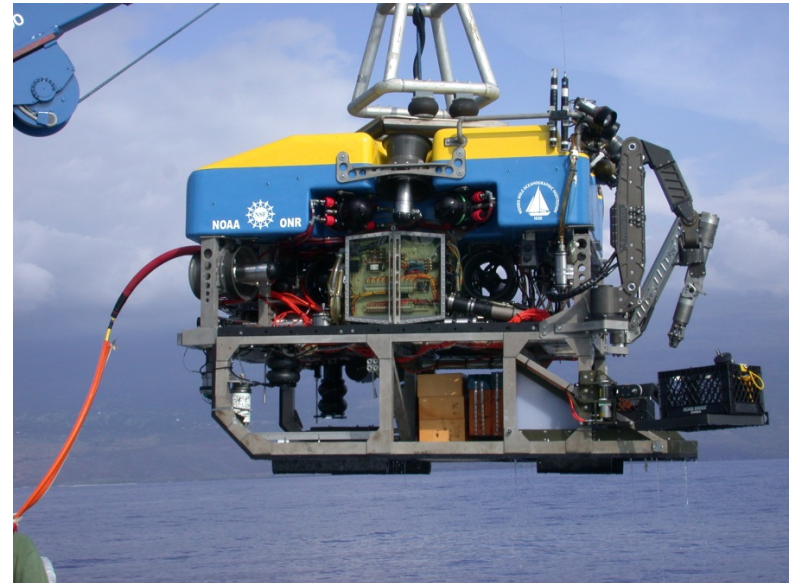


NDSF 2013 Vehicle Operations Summary

Jason Operations



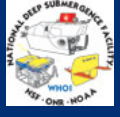
- **54 funded days**
- **2 cruises completed**
Hawaii - Loihi, Atlantic Canyons
- **26 lowerings, 463 total hrs**
- **Longest: 59 hrs**
- **Average: 34 hrs**
- **Dives lost:** *4 to weather, zero to vehicle problems; came up early twice due to vehicle problems and once due to winch problems*
- **Data total: 9.4TB**
- **Vessels used:** *Thompson, Ron Brown*





NDSF 2013 Vehicle Operations Summary

Jason Highlights

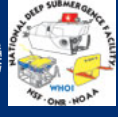


- **Mid-Atlantic Ridge**
 - Cut a mooring for Ruth Curry
- **Loihi Seamount**
 - Fast turnaround times: ~2 hours
 - 10+ days in water in 14 days on station, with concurrent *Sentry* ops!
 - Elevators
 - Found Shinkai Deep site
- **Shallow dives on Atlantic Canyons, shipwrecks <100m**
- **Flexible dive schedule**
 - Allowing PIs flexibility to do other science



NDSF 2013 Vehicle Operations Summary

Sentry Operations



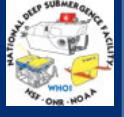
- **21 funded days**
- **1 cruise completed, 1 underway**
Hawaii -Loihi
- **9 dives, 142 hrs**
- **Longest: 22 hrs**
- **Average: 16 hrs**
- **193 km of survey**
- **Data total: ~3.1TB**
- **Vessels used:** *Thompson, Knorr*





NDSF 2013 Vehicle Operations Summary

Sentry Highlights



- **New van and computing infrastructure = easier mobe**
- **Loihi mapping in VERY extreme terrain**
- **New imaging controller ready for new camera**



NDSF 2013 Vehicle Operations Summary

Support Ships



R/V Thomas G. Thompson

- Bow thruster issues

R/V Ron Brown

- Generally good ops

R/V Knorr

- Generally good ops