



# NDSF Announcements



# National Deep Submergence Facility

## Jason Reflections



### Highlights

- New LARS crane fully integrated
- Flexibility and ingenuity performing CORK ops on German R/V *Merian*
- Ops on R/V *Langseth* on short notice after TGT propulsion failure
- Use of *Medea* release for trawl resistant mooring deployments/recoveries
- Curry mooring recovery
- Six mobilizations for six cruises represents a large amount of effort for fly-away capability

### Lowlights

- Cruise loss due to ship breakdown
- Cruise salvaged but *Sentry* did not fit on *Langseth* with *Jason*
- Winch troubles with *Atlantis Markey* and SIO portable Dynacon resulted in lost ROV time
- Tethers and Kraft manipulator failures contributed to lost dive time



# *National Deep Submergence Facility*

## **Sentry Reflections**



### ***Highlights***

- Two new cold seep communities discovered on the Atlantic Margin
- 15 dives to 5,000+ m post-Tominaga with no depth-related failures
- 1m resolution multibeam map at 5,400m depth
- Sidescan and CHIRP established including mature data pipeline
- Nascent 3-D water column data product

### ***Lowlights***

- Difficulties on Tominaga cruise with deep ops
- Leak in topside lab during Van Dover cruise