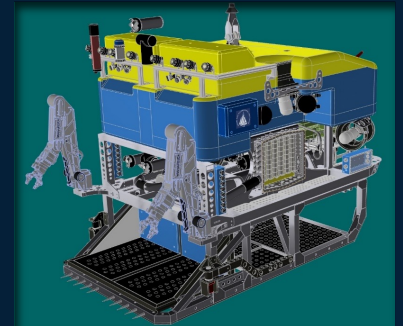


NATIONAL DEEP SUBMERGENCE FACILITY

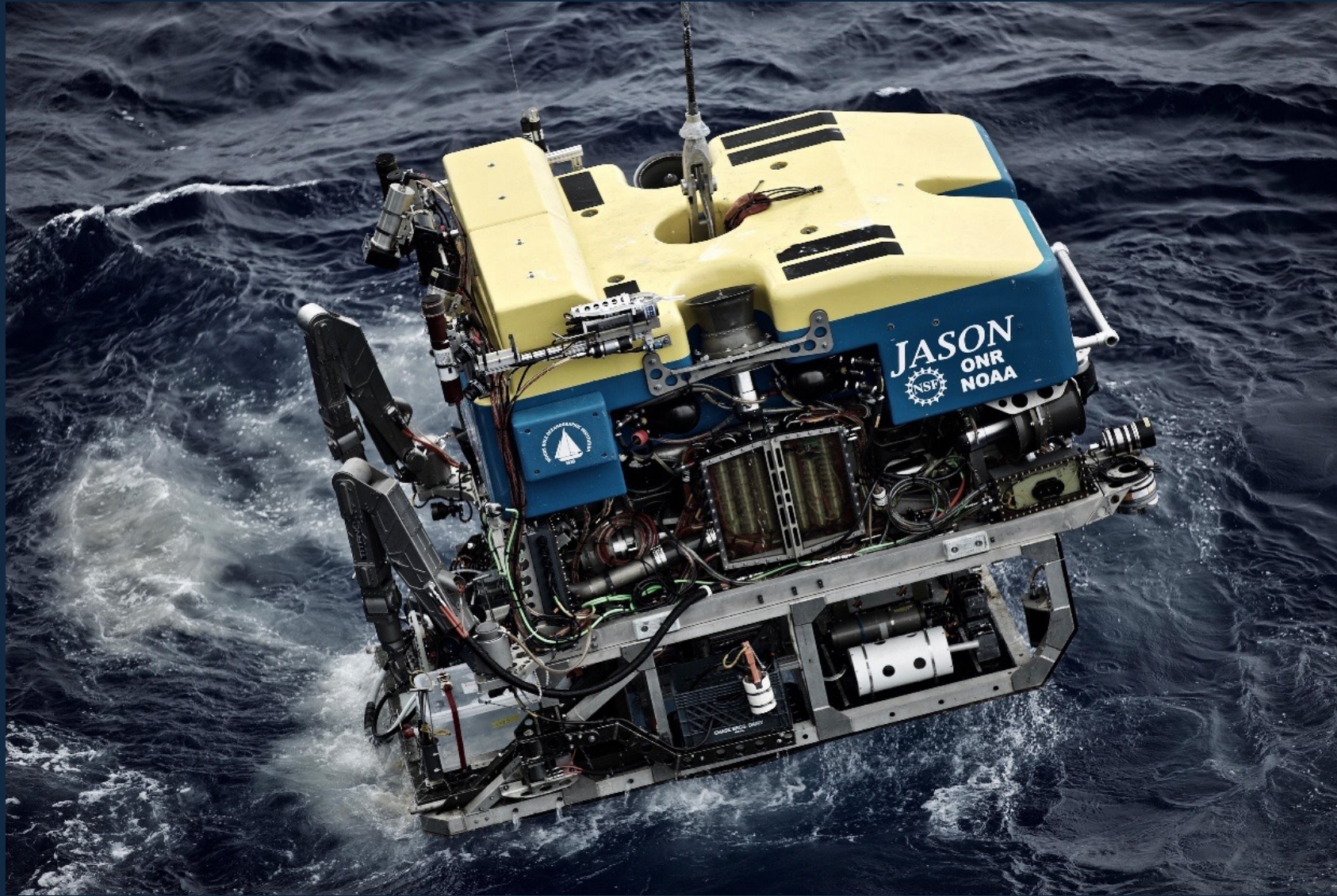


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JASON ROV

Chris Taylor – Jason Program Manager



Started operations in 2002

Vehicle max depth 6500m

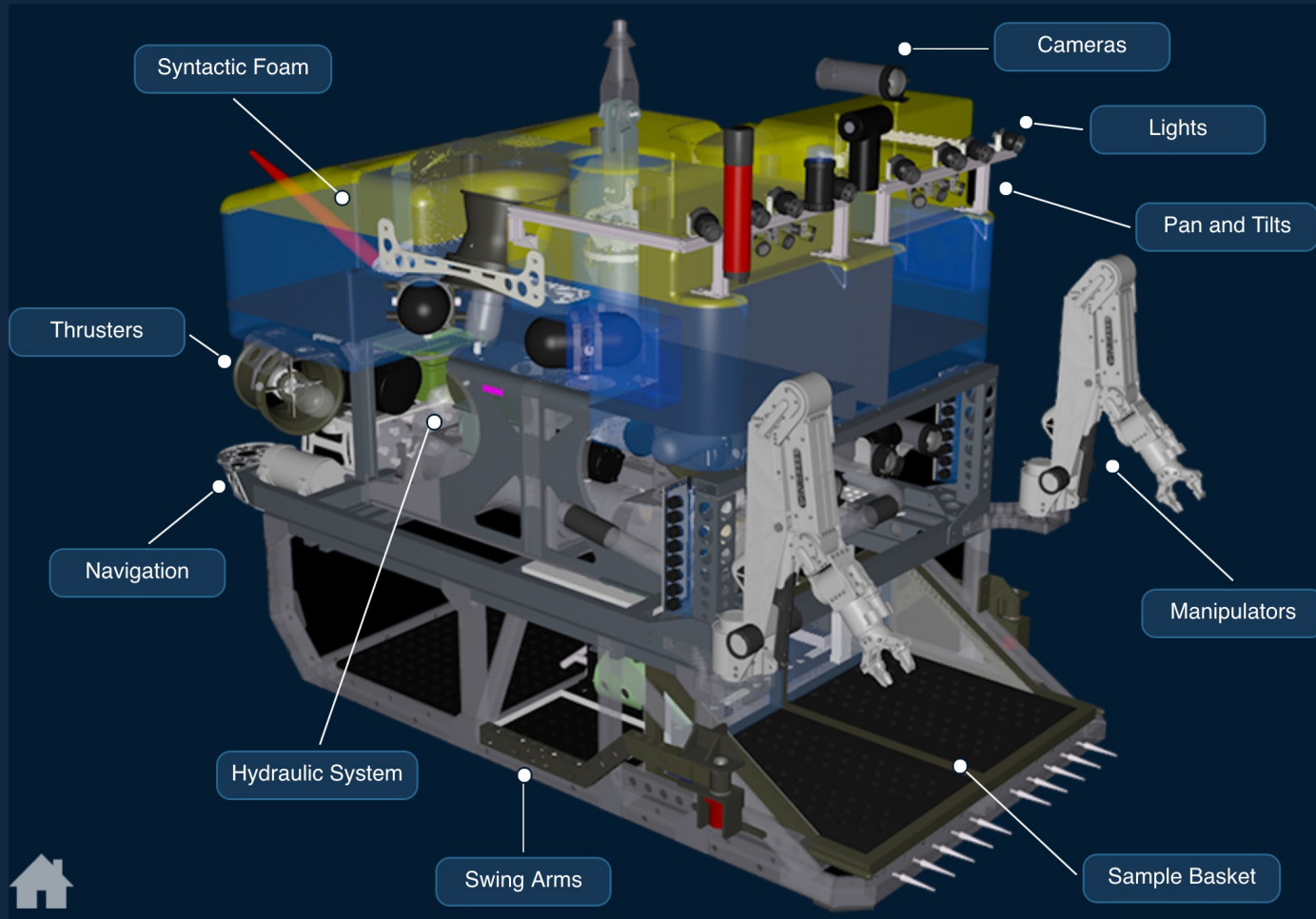
As of Dec 2025:

1,753 dives

20,220 hours on the bottom

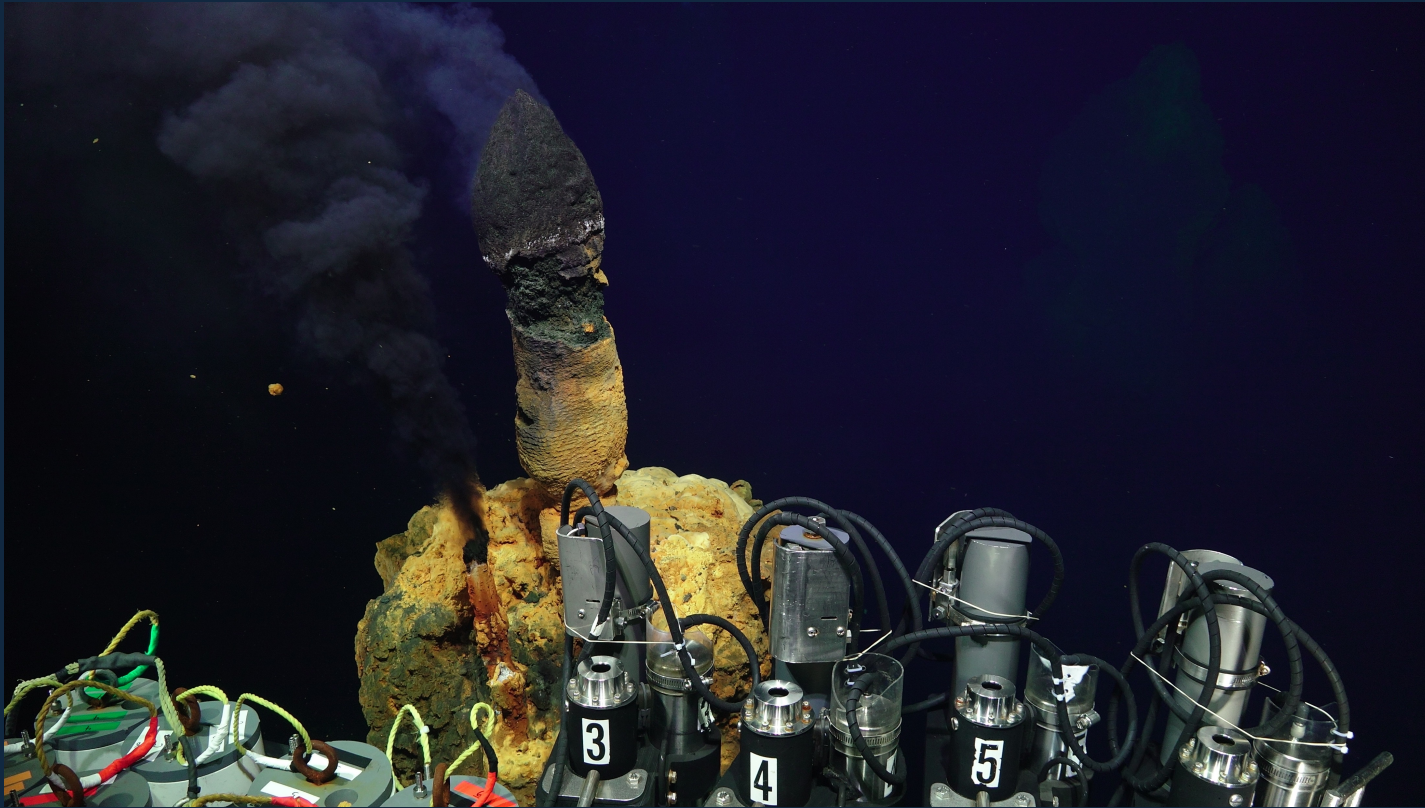
Payload

450 lb (depth dependent)



Sensor Suite

- **PHINS IMU + backup mag.**
- **2x Doppler 1200 & 600 kHz**
- **Paroscientific depth sensor**
- **Blueview imaging sonar**
- **USBL navigation/tracking**
- **Seabird 19v2 CTD w/pump**
- **Optode**
- **Magnetometer**
- **Cabled high temp probe**
- **Kongsberg EM2040 multi-beam sonar (share equip)**



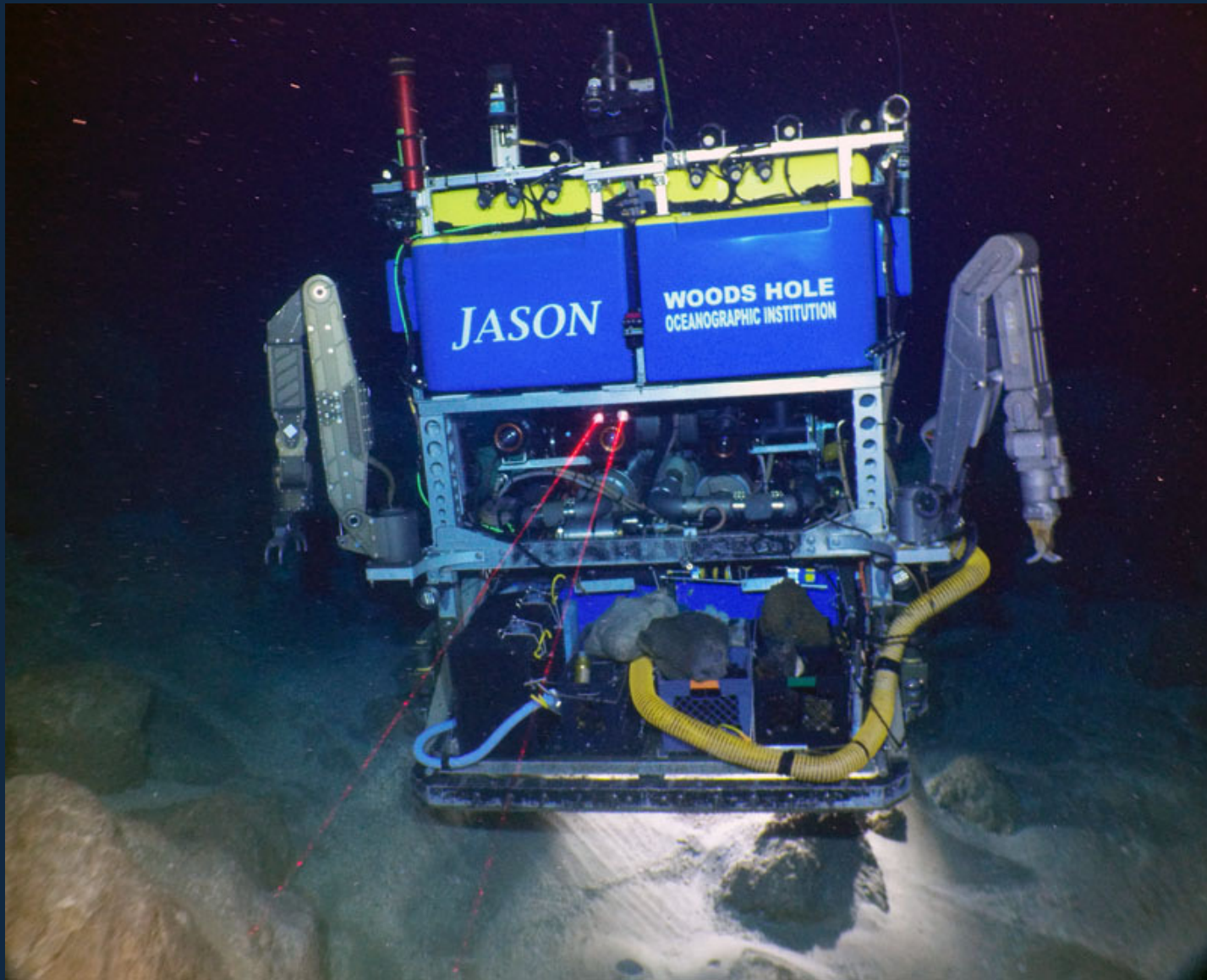
Cameras

- SULIS Z70, 4K + DSC
- 2x Insite Mini Zeus HD
- Multiple situational cameras

Lights

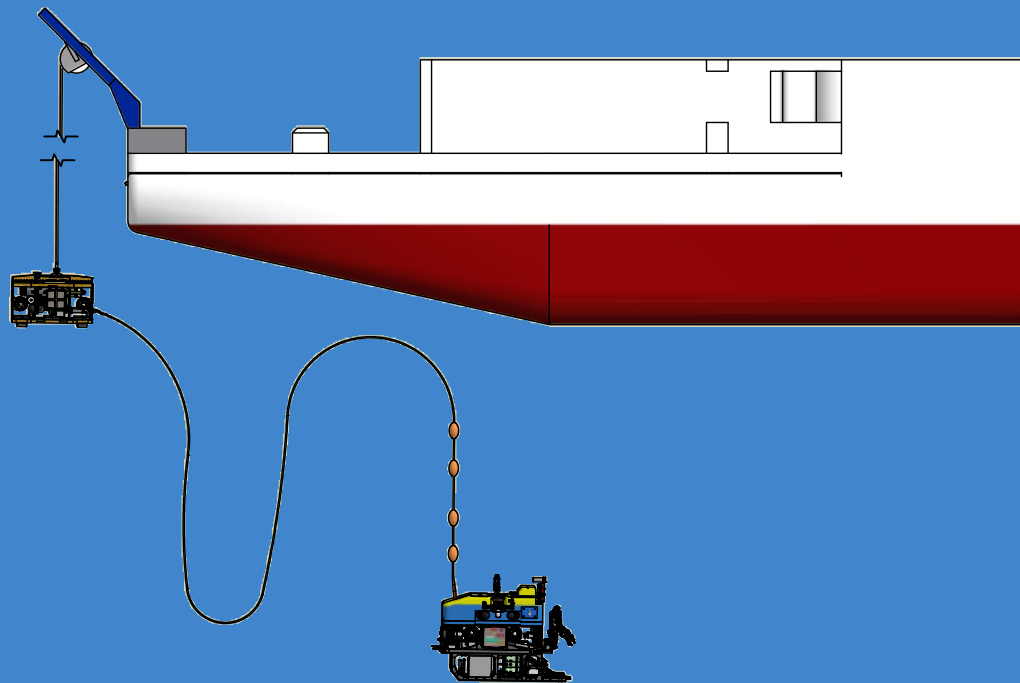
- Array of DSPL Sealite Sphere's (LED)



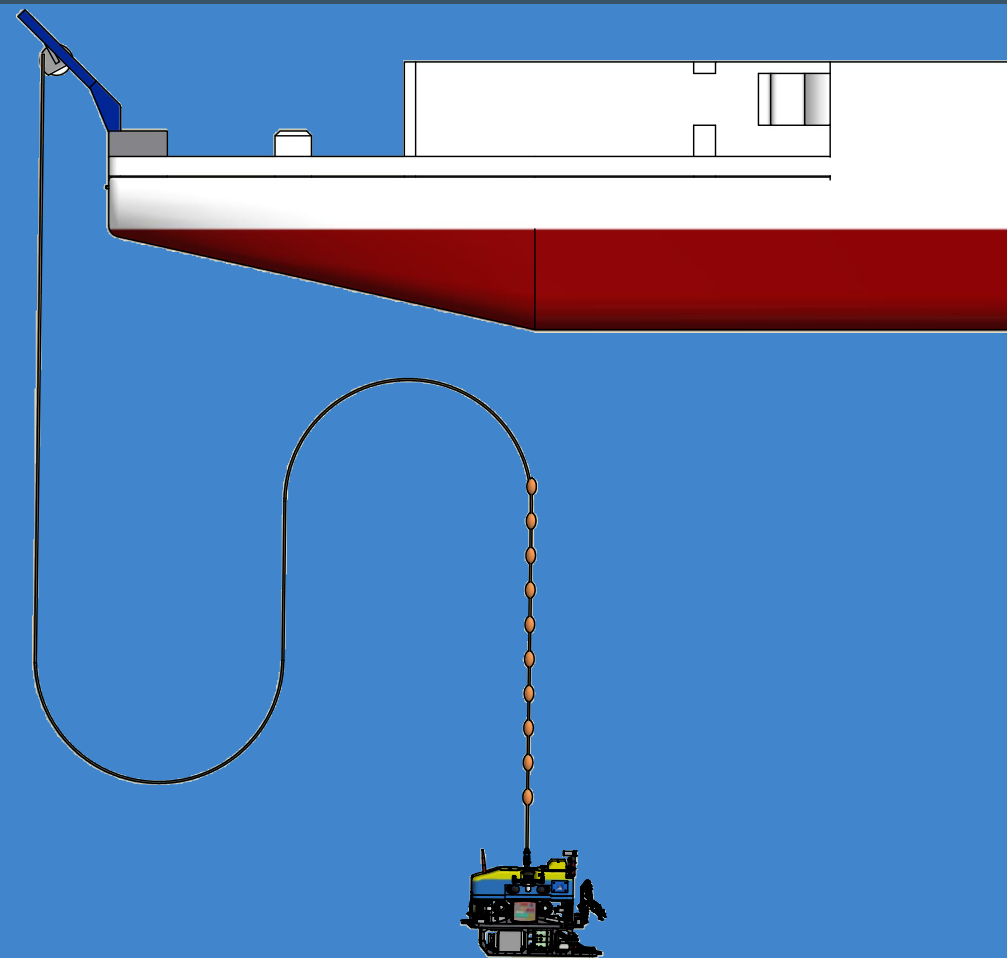


Sampling and Hydraulics

- 2x Schilling T4 manipulators
- Large front sample basket
- Side swing-arms
- Aux hyd. functions available
- Push cores
- Bio Boxes
- Major samplers
- Niskin bottles
- Multi-chamber slurp
- UFO sampler (shared equip)

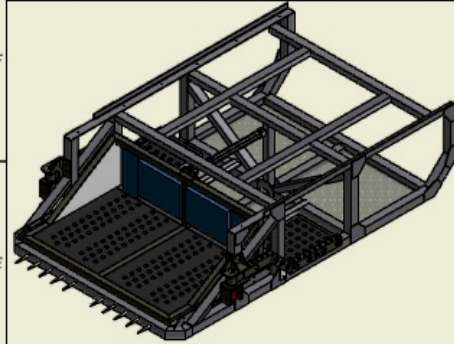


Two Body
6500m

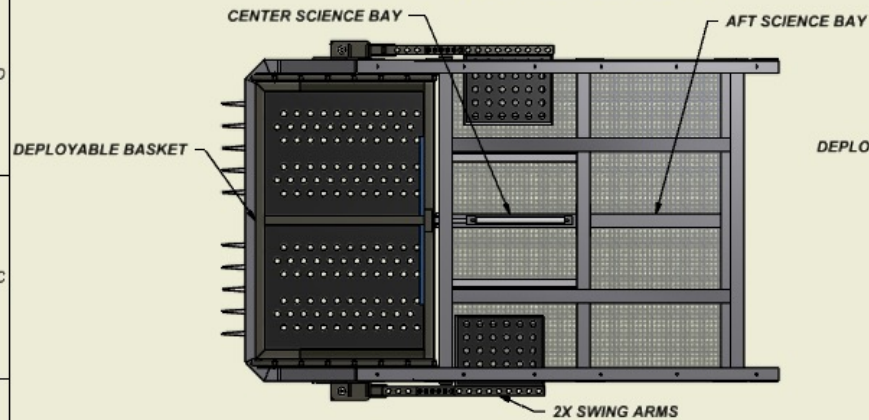


Single Body
4500m

TOOLSKID OPTIONS

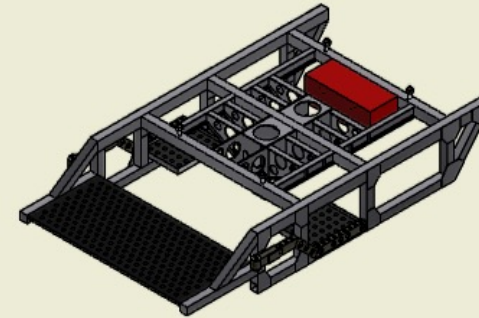


STANDARD JASON

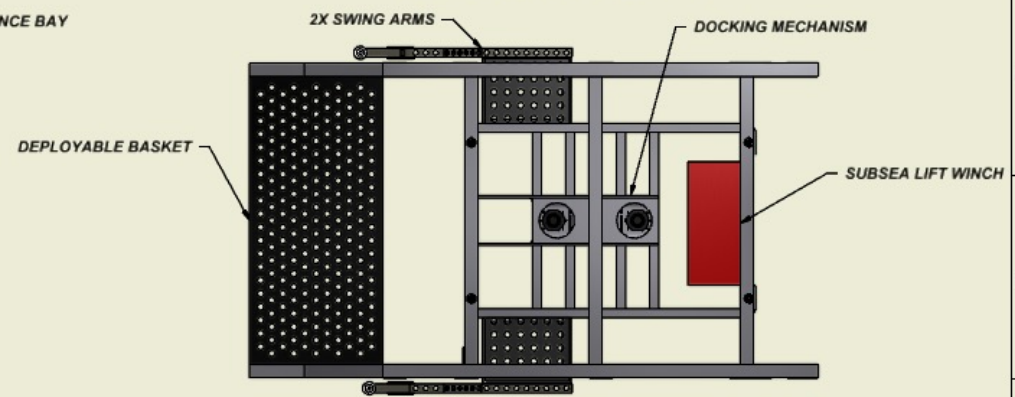


SPECIFICATIONS:

Deployable Basket Dimensions (L"xW"xH"): 36x58x23
 Center Science Bay: 28x43x25
 Aft Science Bay: 32x72x25
 Two Swing Arms : 20x16x21.5



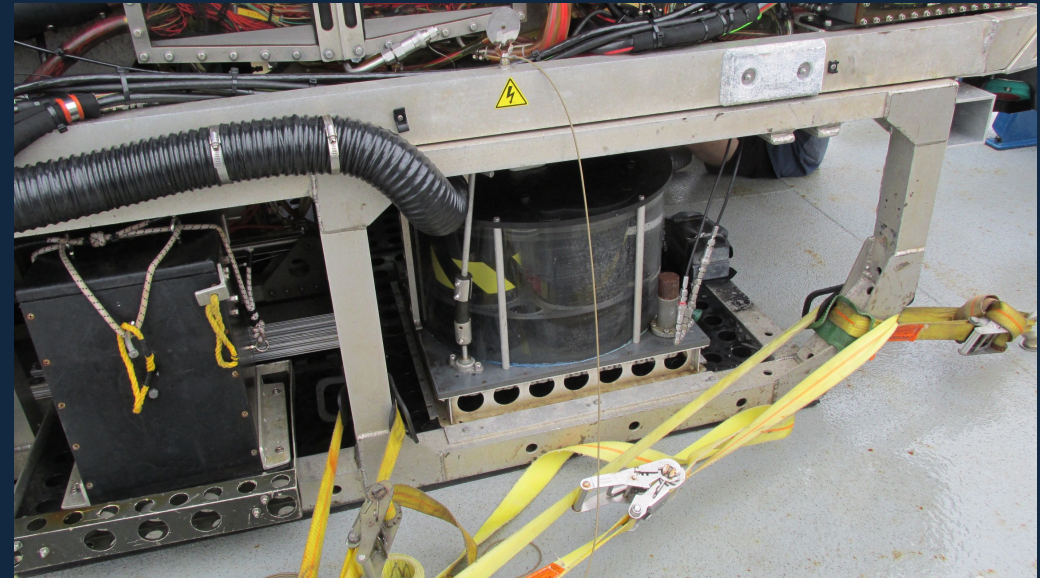
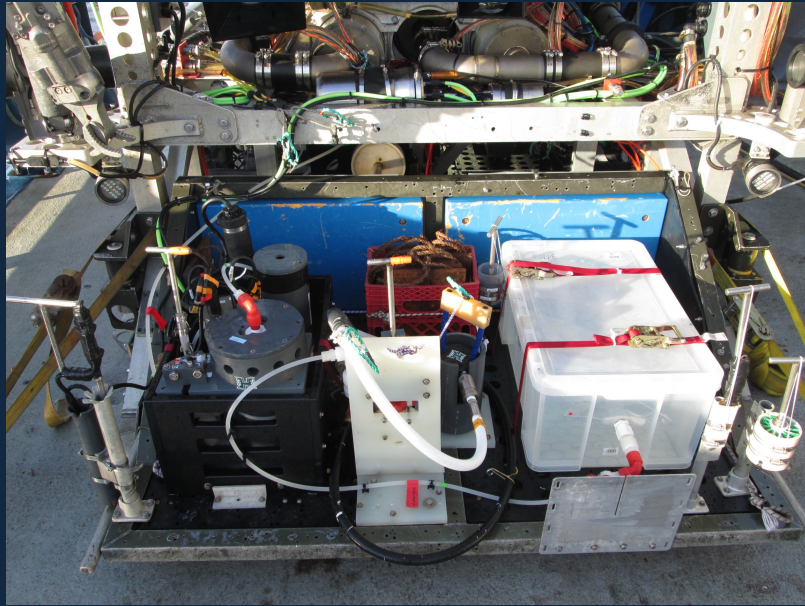
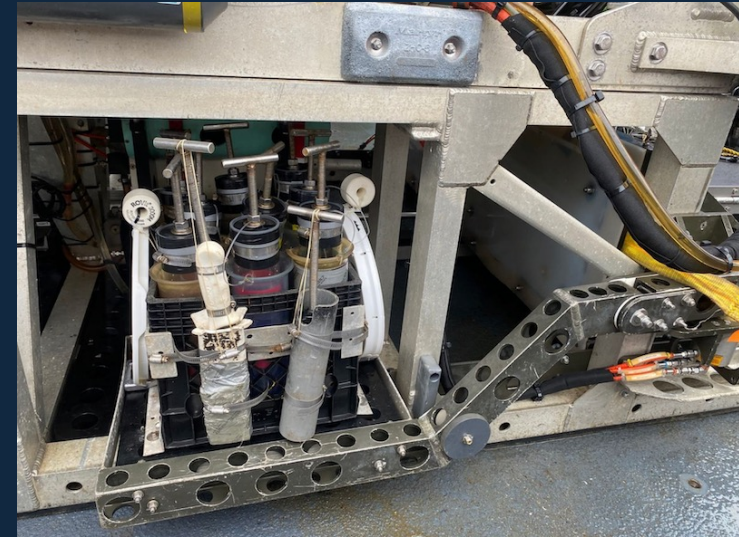
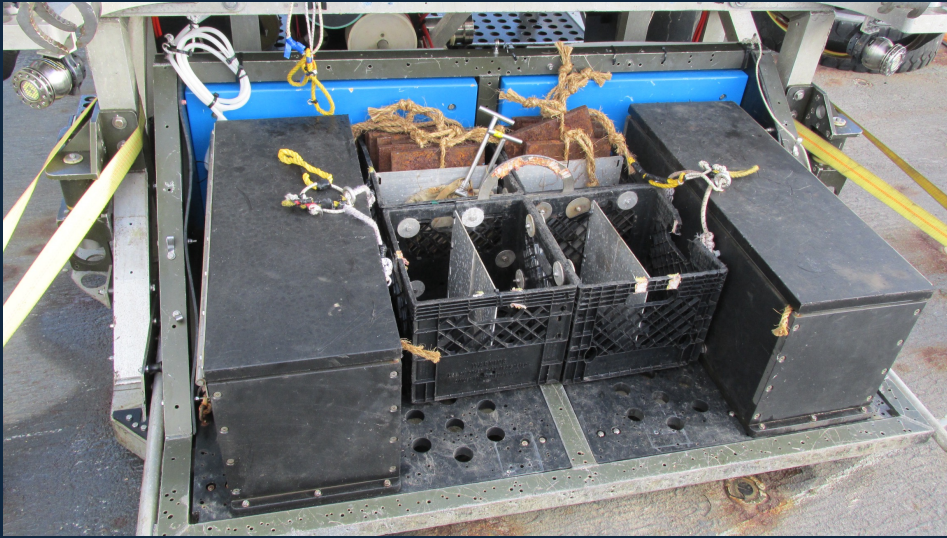
OOI HEAVY LIFT



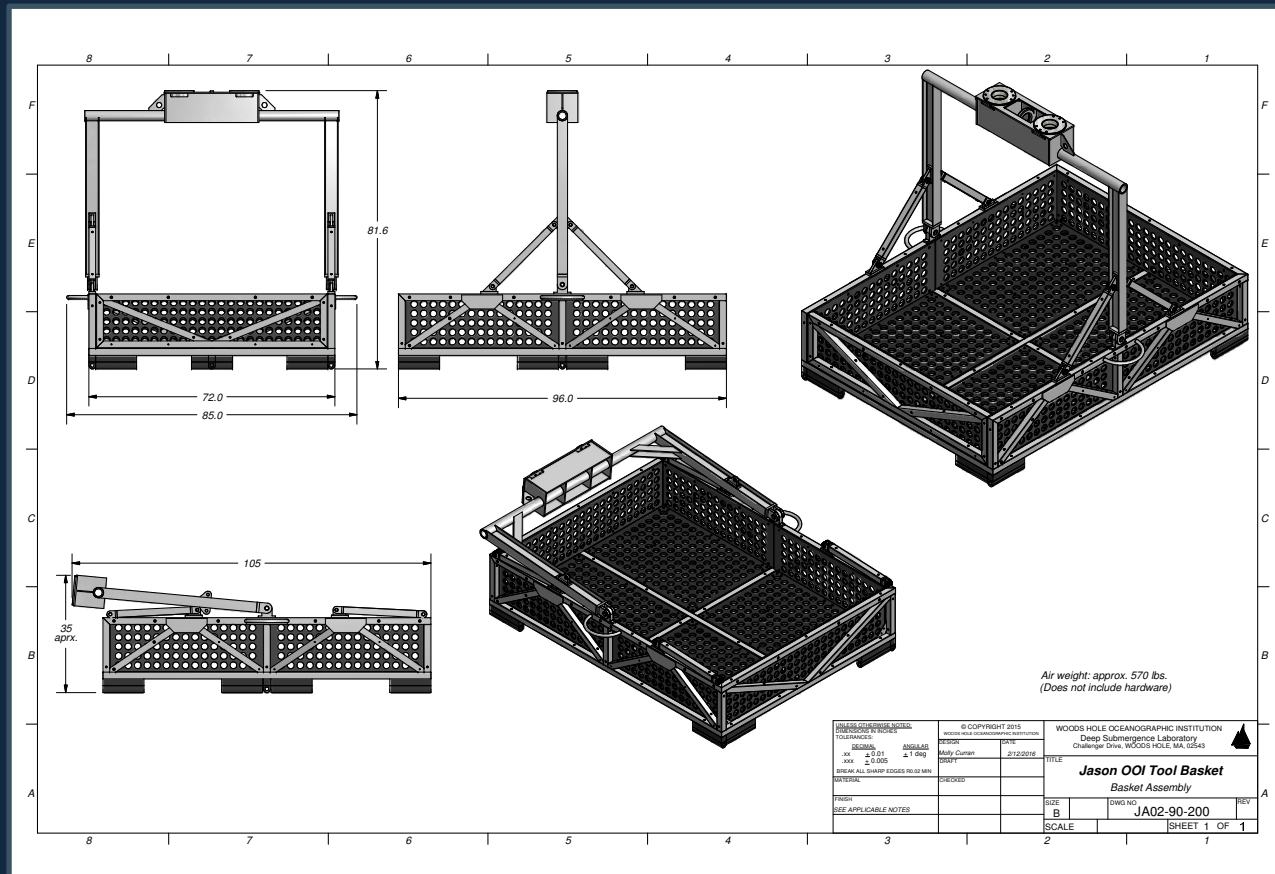
SPECIFICATIONS:

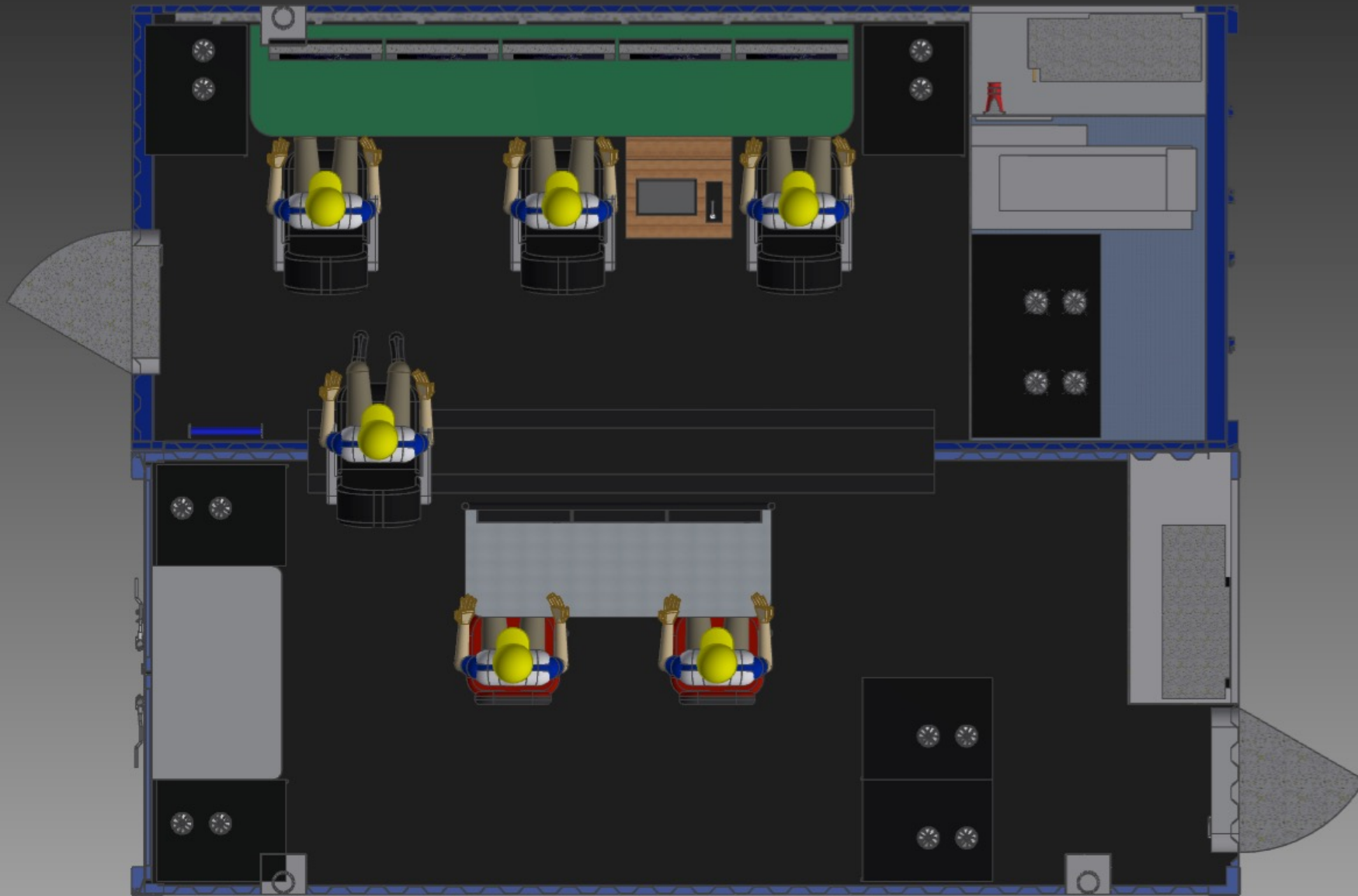
Deployable Basket Dimensions (L"xW"xH"): 30x65x16;
 Two Swing Arms: 20x16x12.375;
 Subsea Lift Winch - 4000 lb Lift Capacity
 Docking Latch Mechanism - 4000 lb Lift Capacity

UNLESS OTHERWISE NOTED: DIMENSIONS IN INCHES TOLERANCES:		© COPYRIGHT 2015 WOODS HOLE OCEANOGRAPHIC INSTITUTION		WOODS HOLE OCEANOGRAPHIC INSTITUTION Deep Submergence Laboratory Challenger Drive, WOODS HOLE, MA, 02543	
DECIMAL	ANGULAR	DESIGN	DATE	TITLE	
XX ± 0.01 XXX ± 0.005	± 1 DEG	Drawn	8/6/2015		
BREAK ALL SHARP EDGES R0.03 MIN		CRAFT		DWG NO OOI TOOL SKID	
MATERIAL		CHECKED			
FINISH				SHEET 2 OF 2	REV
SEE APPLICABLE NOTES				SCALE	

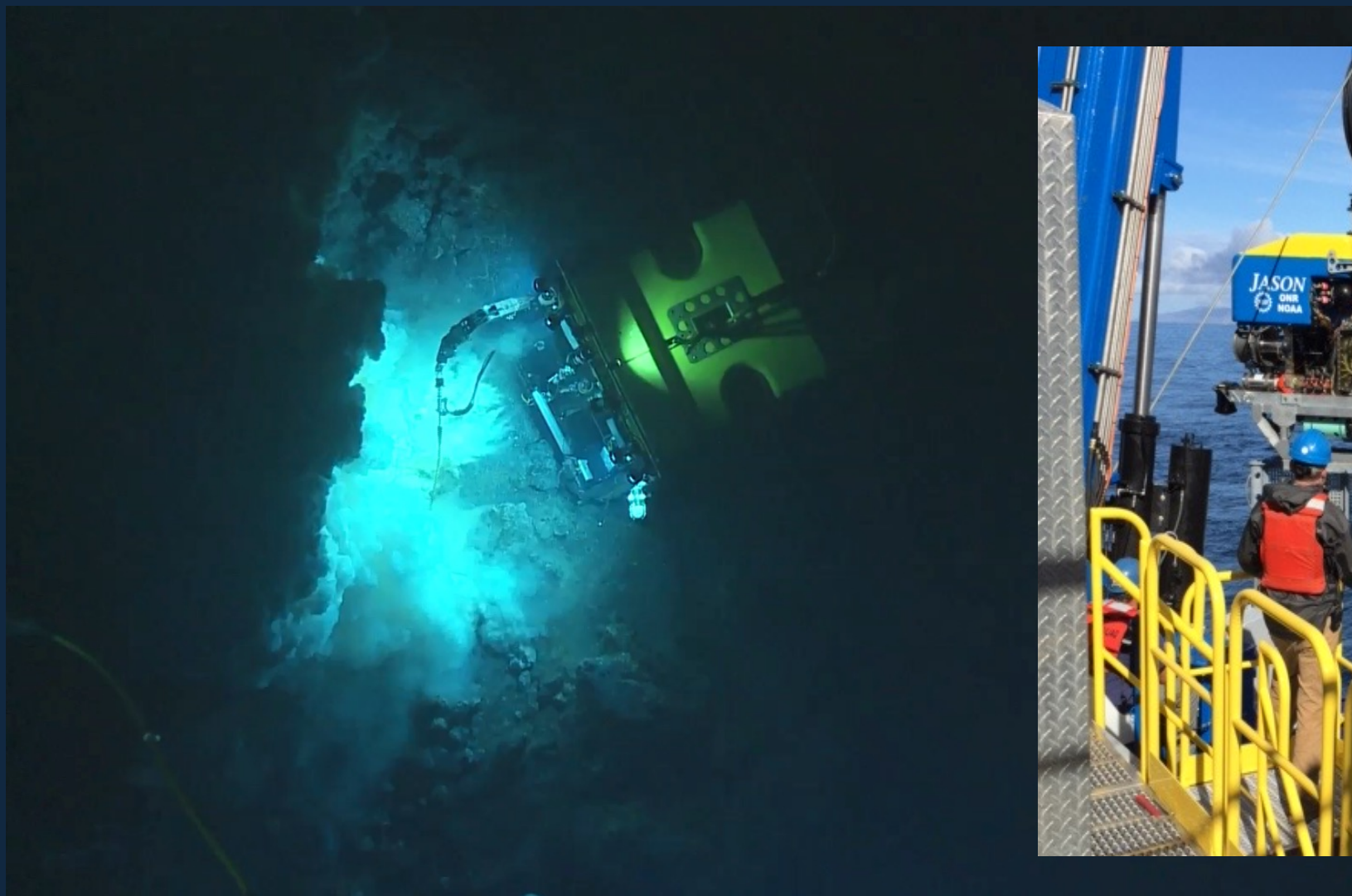


Under-Vator replaces Elevators 1000 lb. payload











THANK YOU



WOODS HOLE
OCEANOGRAPHIC
INSTITUTION

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Detailed info at:
nds.f.whoi.edu/jason/