



Pisces V launch in heavy seas









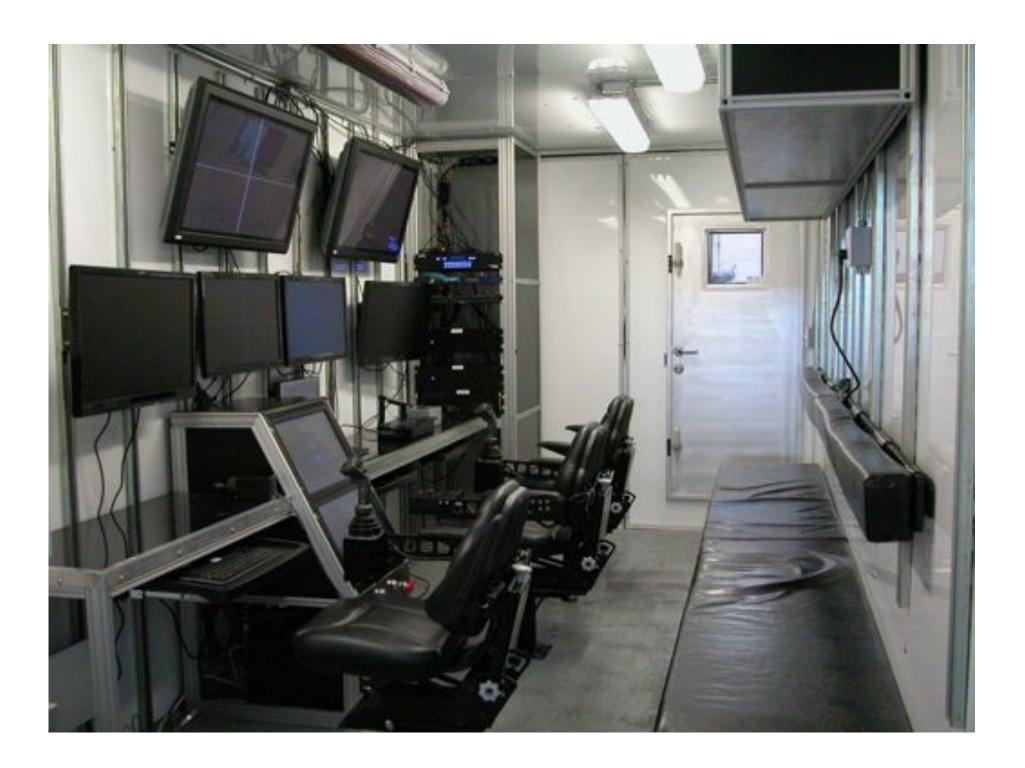




SOEST ROV Status Review





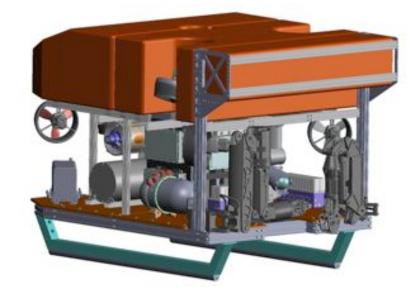


Budget

* Cost: \$2.057 M, fixed price

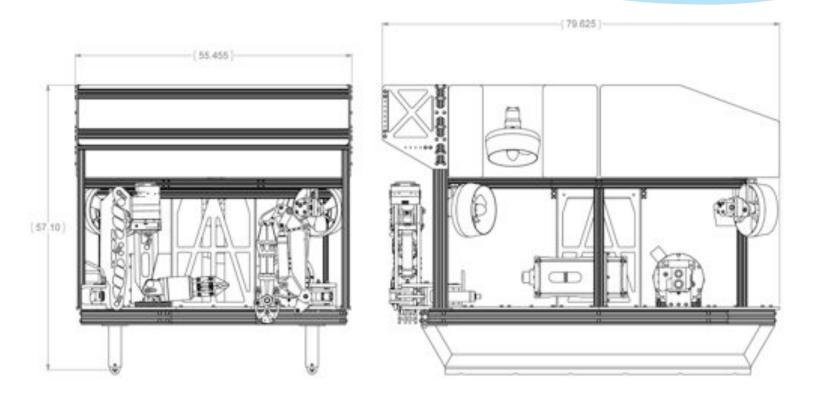
* ROV now received: dock-side training now in

progress



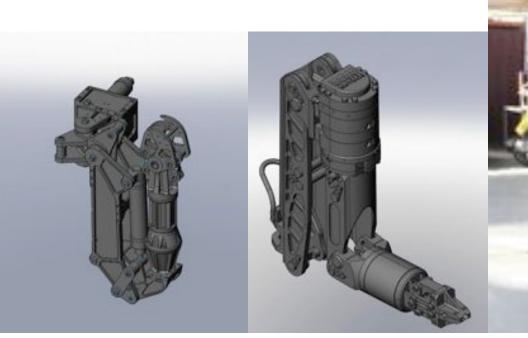
ROV

- * 80" long x 56" wide x 58" tall
- * 3,000 lbs with 80 lbs of reserve buoyancy



ROV science capabilities

- * Manipulators
 - * Schilling Orion 7P, seven-function
 - * DOER SeaMantis, five-function







ROV science capabilities

- * Science Manifold
 - * 6 bulkhead connectors
 - * Will support RS-232/422/485 and Gigabit Ethernet
 - * Supported voltages include 5, 12, 24 and 48 VDC
 - * Additional ACO support manifold is being developed, bulkhead connector TBD
- * Expandable to larger sample basket and/or tool skids

Tether Management System

- * 75" diameter, 68" high (top-hat only)
- * Transition between .681 cable and neutrally bouyant tether
- * Winch drum w/ slip-ring and level-wind instead of RCV-150's bail-style tether management
- * 5 HP hydraulic motor



Payload Management Alternatives



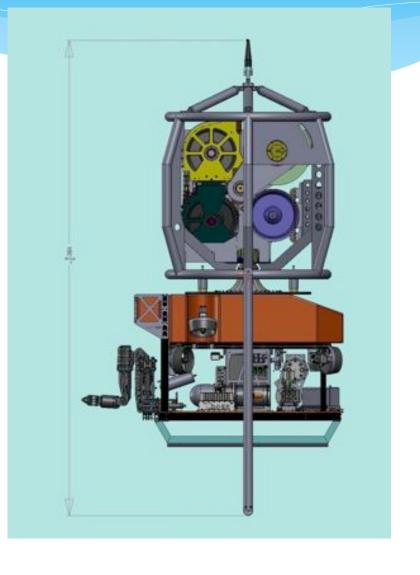




Trapeze

Chosen Alternative



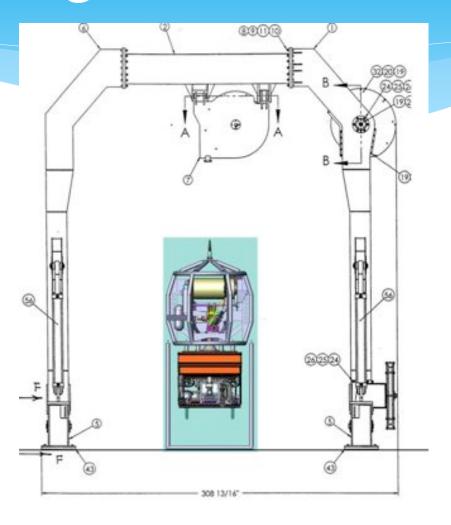


ROV and tether management

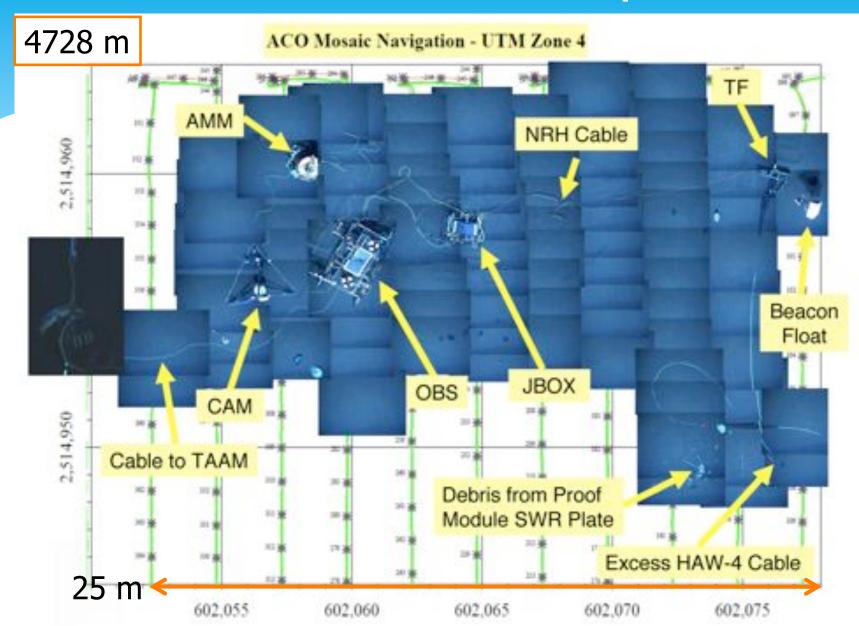


It's large





Mosaic of bottom components



ACO bottom configuration

