



Spring 2026 R/V Marcus Langseth Facility Update



LAMONT DOHERTY EARTH OBSERVATORY
COLUMBIA CLIMATE SCHOOL



Langseth Operations

2026 Schedule (Planned):

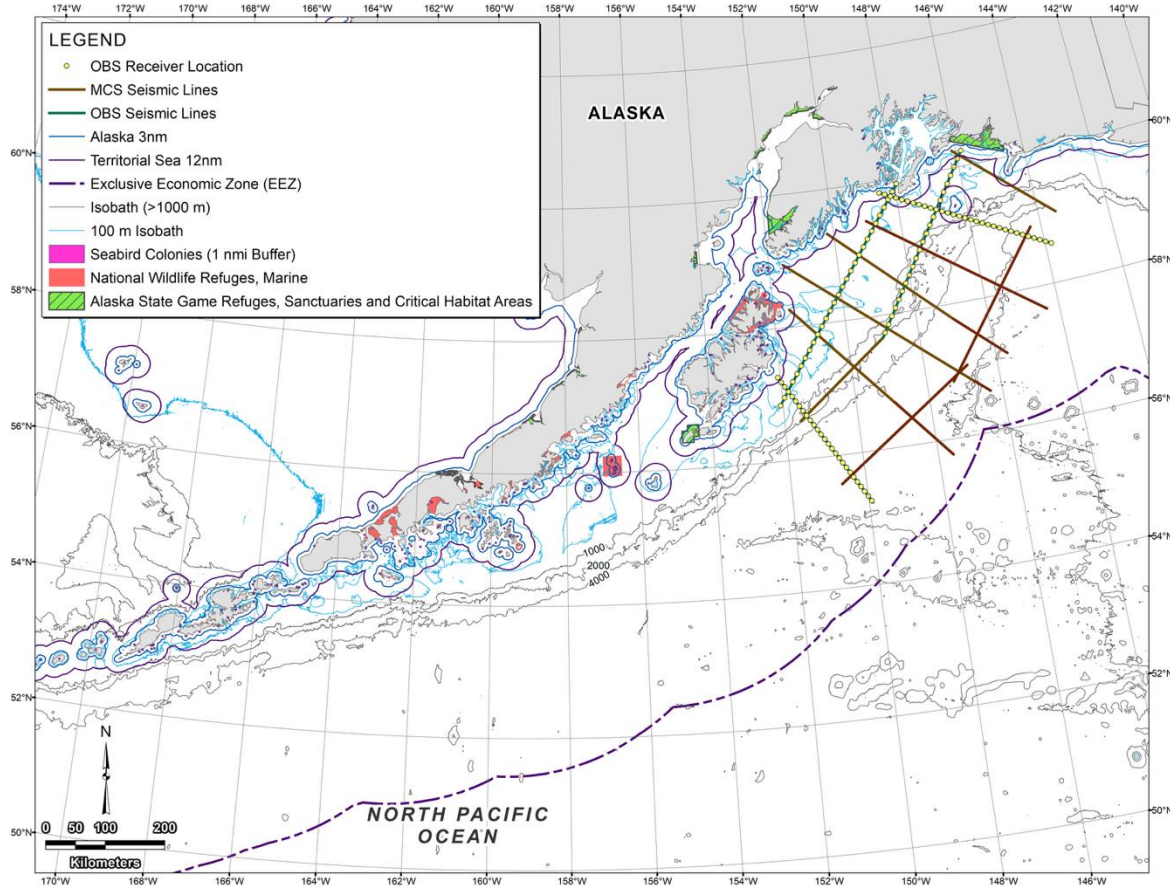
~270 Days

- **Parnell-Turner 9N 3D 4x6k- Completed**
- US GoShip CTD P04E – In Progress – Equatorial North Pacific
- STEMSEAS – Panama to Savannah, GA
- Schuck 2D 15k and OBS- North Atlantic
- *Shipyard
- Polzen – Mooring Retrieval- South Atlantic

Langseth Operations

2027 Tentative Seismic Project

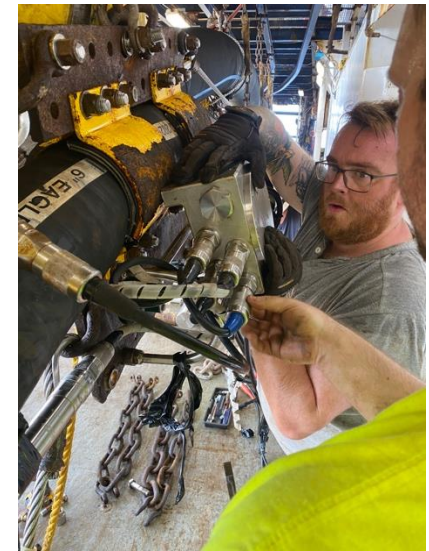
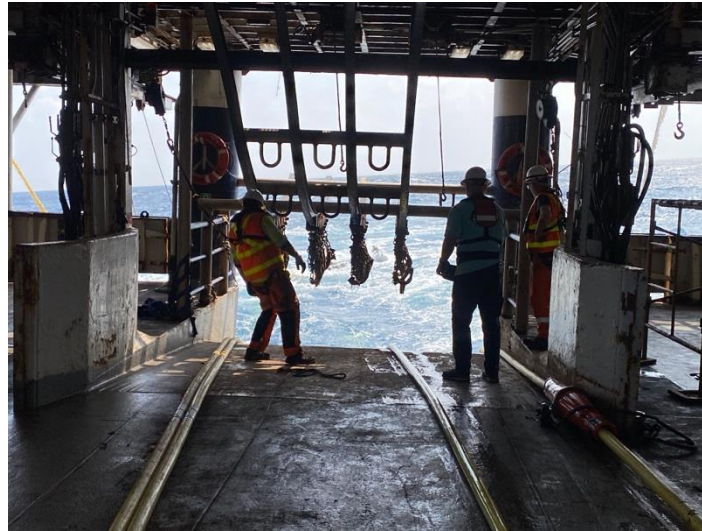
Aleutian/Gulf of Alaska Project- Timing TBD



Langseth Seismic System

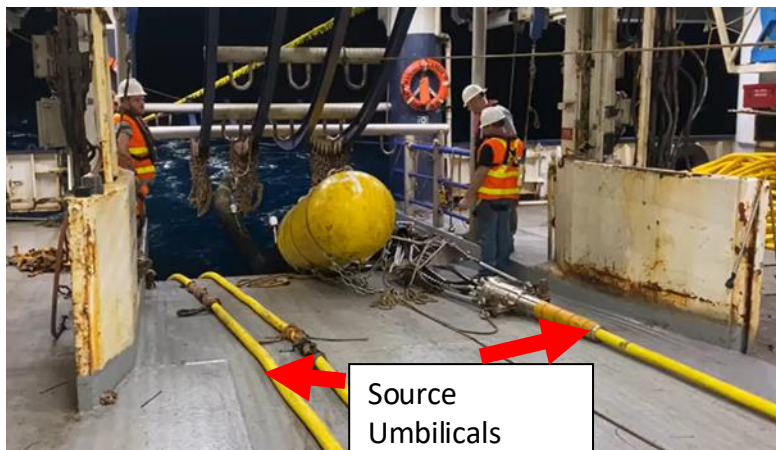
Recent 4D Experiment provided opportunity to shakedown entire system (almost)! A lot of testing over prior several months and work on hydraulics, winches, etc. since it had been ~ summer 2019 since last 3D project.

Field trial ahead of cruise was able to test 80-85% of towing and handling and source readiness but some had to be done in real time –source firing, final towing setup and hydraulic testing (due to part delays).



2025 Ocean Instrumentation Completed

2025 Ocean Instrumentation Budget		
New 600m Seismic Source Umbilical		\$188,186
1)	600m Source Umbilical + Termination (152,969.75 euro)	\$179,186
2)	Shipping	\$9,000
CNAVx3 positioning upgrade		\$18,072
TOTAL		\$206,258

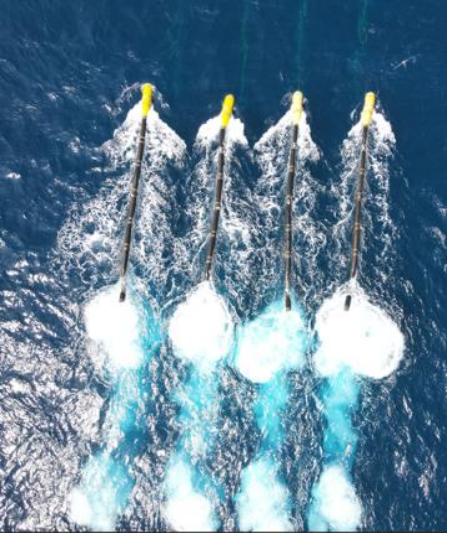


2026 Ocean Instrumentation Funded

Description		Estimate USD
Seapath 385 R3 positioning system upgrade		\$ 146,998
PosMV positioning system upgrade		\$ 84,971
Orca Navigation CIU upgrade		\$ 207,607
	Total Proposal	\$ 439,576

This award will allow upgrade of some critical systems that we're all Beyond End-of-Life and no longer supported.

Questions ?



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