

Ship Fitted Equipment	Atlantis	Marcus Langseth	Roger Revelle	Sikuliaq	Thomas Thompson	Atlantic Explorer	Kilo Moana	Neil Armstrong	Sally Ride
Dynamic Positioning (DP)	✓	✓	✓	✓	✓		✓	✓	✓
Underway Seawater System	✓	✓	✓	✓	✓	✓	✓	✓	✓
pCO2		✓	✓	✓	✓	✓	✓	✓	✓
Meteorological Data	✓	✓	✓	✓	✓	✓	✓	✓	✓
Single Beam Echosounder, 12kHz	✓	✓	✓	✓	✓	✓	✓	✓	✓
Pinger, 12kHz	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sub-bottom Profiler									
4kHz Chirp Array	✓	✓	✓	✓	✓	✓	✓	✓	✓
2kHz-9kHz Narrow Beam (3° SBP29)					✓			✓	✓
Parametric (TOPAS PS18)				✓					
Acoustic Doppler Current Profiler (ADCP)									
300kHz- Range 80m	✓			✓	✓	✓	✓	✓	✓
150kHz Range 250-350m			✓	✓	✓			✓	✓
75kHz - range 500-750m	✓	✓	✓	✓					✓
38kHz - range 1000m-1200m				✓	✓	✓	✓	✓	
Hydrographic Doppler Sonar System (104khz+50khz)			✓						
Multibeam Echosounder System(s)									
200kHz/400kHz - Shallow water									
40kHz-100kHz - Mid Water			✓	✓			✓	✓	✓
30kHz - Deep Water				✓	✓				
12kHz - Full Ocean Depth	✓	✓	✓	✓	✓		✓	✓	✓
Biological multi-frequency echosounder-EK80	✓		✓	✓	✓			✓	✓
USBL Navigation System	✓		✓		✓		✓	✓	✓

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Science Wave/Ice Radar	✓			✓	✓			✓	
Water Column Sampling	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laboratory Infrastructure (e.g. sinks, fume hoods, freezers, etc)	✓	✓	✓	✓	✓	✓	✓	✓	✓

Other Available Equipment

The below equipment is available through UNOLS Facilities funded primarily through the National Science Foundation and the Office of Naval Research. All these facilities provide the equipment and the technical expertise to operate the equipment/instrumentation and can be run from most of the above vessels. Use the links to find more information about the facilities.

- ROV JASON / [National Deep Submergence Facility \(NDSF\)](#)
- AUV Sentry / [NDSE](#)
- HOV Alvin (RV Atlantis Only) / [NDSE](#)
- Nets/Trawls
- Piston Coring / [MarSSAM](#)
- Multi Coring / [MarSSAM](#)
- Gravity Coring / [MarSSAM](#)
- Box Coring / [MarSSAM](#)
- Vibra Coring / [MarSSAM](#)
- Portable Laboratory Vans / [EC](#) and [WC Van Pool](#)
- Portable Winches – [EC](#) and [WC Winch Pools](#)
- Gravimeter / [Potential Fields Pool](#)
- Ocean Bottom Seismometers / [OBSIC](#)
- Magnetometers / [Potential Fields Pool](#)
- Portable Seismic Operations / [SIO](#)
- Underwater Imaging / [MISO](#)
- CTD sampling and processing/ [Ocean Data Facilities](#)

Other data-oriented facilities:

- [Multibeam Advisory Committee](#)
- [UH Currents ADCP Group](#)

NOTE: This is a quick reference document. For the most up to date information, please contact the vessel operators in the links in the top table.