

## Appendix 1 to Memorandum of Agreement between USCG and the National Science Foundation Regarding Polar Icebreaker Support and Reimbursement

The parties below accept responsibility for funding HEALY's science equipment as provided below. Both agencies shall ensure the equipment is maintained and operated safely and properly.

### NSF will fund the following equipment:

Data Logging System	Science Sea Water System (sensors, electronics, calibrations)
Mapserver	ADCP (150khz)
Data distribution and archive	ADCP (75khz)
Data quality evaluation	CTD (including sensors and cal)
Wire data	Multibeam Sonar
Coring Equipment	Sub-Bottom Profiler
(Science) Navigation Computer & software	Gravity meter
Watch Stander Work Station	Through hull temperature
Ashtech 3DGPS (ADU5)	Science met & radiation sensors
POS/MV	Planning and Integration for Visiting Science Equipment
DI/RO Pure Water	Data Acquisition Computers
XBT System	

### USCG will fund the following equipment:

Ship to ship (wireless) MESH network	Science Email
Communications, wired (e.g. phones)	CCTV
CG-leased INSMARSAT	Uncontaminated Seawater System (pumps and plumbing)
Time Servers	Fume Hoods
Winches/Wires	Eye wash stations
Science Hoist	Science Reefers, Freezers, Climate Control Chambers, -80C freezers
A-Frames	Gyro Compasses
Cranes, fantail	Integrated Bridge System
Capstan, fantail	Speed Log (SRD600)
WebCams	Terascan
Science Reachback (Iridium)	Met Sensors (Navigation)
Science Openport	Bridge echo sounder (BATHY 1500)
Science VSAT	Science Berthing
Network Servers	Science Spaces (Labs, Lounge, Winch Room..etc.)
General Purpose Science Workstations	
Science Networking	
Communications, wireless (science WiFi) e.g. computer network	

Agreed on this 24 January 2013:



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