

R/V SIKULIAQ

AICC November 13, 2014

Photo by Val Ihde



R/V SIKULIAQ Characteristics

Length, Overall	LOA	261 feet
Length, Design Waterline	LWL	237 feet 0 inches
Beam, Max across reamer	Bmax	52 feet
Beam, Max across hull amidship	Bmidship	48 feet
Depth, Keel to Main Deck	D	28 feet
Draft, Design Waterline	TDWL	18 feet 9 inches
Freeboard, Design Waterline	FDWL	8 feet 9 inches
Displacement at Design Waterline		3,665 long tons
Propulsion Power	Р	5,750 BHP



R/V SIKULIAQ Performance

Endurance	45 days	
Endurance, Hotel Only	60 days	
Range	11 knots	9,000 NM preliminary
Cruise Speed	transit speed	11 knots
Max Speed, Calm Open Water	Vcalm	14.2 knots
Max Speed, 4 M Sea (13.1 ft)	Vss 5	12.3 knots
Level Ice at 2 knots	Ice thickness	3 feet



R/V SIKULIAQ Capacities and Working Area

Science Berths	24
Crew Berths	20 crew plus 2 marine technicians
Science deadweight	100 long tons
Aft Deck 20' ISO Van Services and Twist Lock	3 Fixed locations
Fwd Deck 10' ISO Van Services and Twist Lock	1 Fixed location
Science storage	8,000 cubic feet
Science Labs	2250 square feet
Deck Working Area	4360 square feet



Date	Schedule
June 6 th , 2014	SIKULIAQ Delivered Menominee, MI
June 7 th , 2014 – July 13 th , 2014	Outfit vesse, Install Network systems, and Transit to Cleveland
July 14 th – Julty 19 th , 2014	In Port Cleveland (Fuel and address power management issues)
July 20 th – July 30 th , 2014	Transit to WHOI with port call in Montreal. Underwater radiated noise survey, Test CTD and Ship Station Keeping
July 31 st – August 10 th , 2014	In Port WHOI. Ship tours, lubricate wire, PCO2 install, Gravimeter install, Swab Test
August 11 th – August 18 th , 2014	Commissioning of Multibeam systems (Kongsberg/MAC)
August 19 th – September 4 th , 2014	Warranty work
September 5 th - September 10 th , 2014	Transit to San Juan, Puerto Rico
September 11 th , 2014	NSF Inspection
September 12 th – September 18 th , 2014	Commissioning of TOPAS, ADCPs, Winch Trials, Science Trials
September 19 th – September 21 st . 2014	Internal SMS audit, Fuel, Clean Hull (extreme barnacle growth)
September 22 nd – October 20 th , 2014	Transit to Honolulu
October 21 st – October 26 th , 2014	In Port Honolulu Warranty Work
October 27 th – November 2 nd , 2014	Underway testing and training
November 3 rd – November 11 th , 2014	Load Sentry, Install USBL on Centerboard
November 5 th – November 9 th , 2014	Shakedown cruise with Sentry
November 11 th -November 16 th , 2014	In Port Honolulu DNV External ISM Audit, NOAA Inspection to enter PMNM,
November 17 th - December 12 th , 2014	Science Cruise Baco Taylor
December 16 th – January 15 th , 2015	Science Cruise Tominaga

R/V SIKULIAQ WHOI



Photo by Chris Griner



Stern Looking Forward





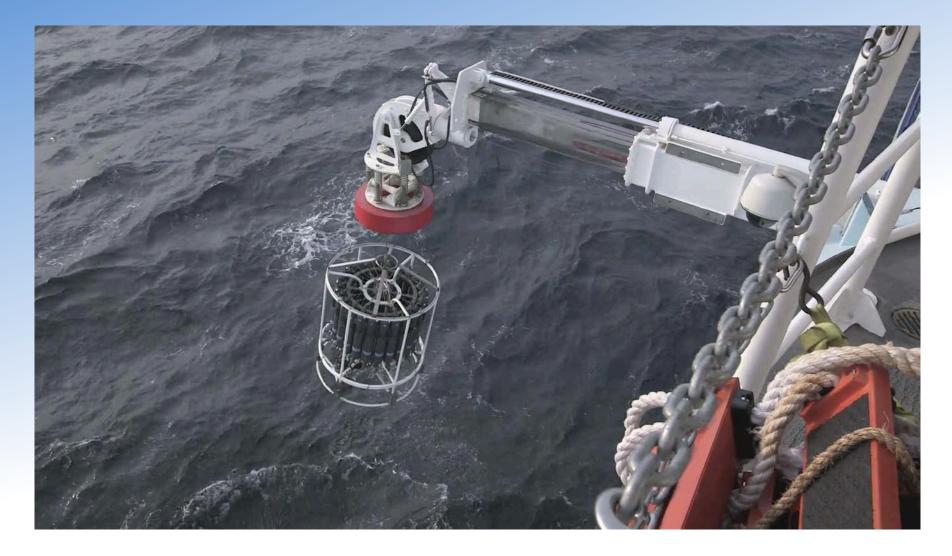


A-Frame





CTD Load Handling System





SIKULIAQ Computer Lab





Questions?

www.sikuliaq.alaska.edu





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