Tuesday, September 25, 2012 - Secretary of the Navy Ray Mabus announced today that the first Armstrong-class Auxiliary General Oceanographic Research (AGOR) ship will be named Neil Armstrong, after the first man to walk on the moon during the 1969 Apollo 11 mission who died in August 2012 at age 82. Armstrong’s widow, Carol, will serve as the ship’s sponsor.

On April 12, 2013 Secretary Mabus announced that AGOR 28 will be named in honor of the first woman in space and former Scripps/UCSD Professor, Dr. Sally Ride. "Sally Ride's career was one of firsts and will inspire generations to come," Mabus said. "I named R/V Sally Ride to honor a great researcher, but also to encourage generations of students to continue exploring, discovering and reaching for the stars."
Mission: Integrated, interdisciplinary, general purpose oceanographic research in coastal and deep ocean areas. Oceanographic sampling and data collection of surface, mid-water, sea floor, and sub-bottom parameters.

Quantity: Two (2)

User: Woods Hole Oceanographic Institution (AGOR 27), Scripps Institution of Oceanography (AGOR 28)

Ship Names: R/V Neil Armstrong (AGOR 27)

R/V Sally Ride (AGOR 28)

Builder: Dakota Creek Industries, Inc.

Contract: FFP

Contract Value: $177.4M

ROM Unit Cost: $74.1 M (lead), $71.0M (follow)
Shortly after Delivery the following mission equipment systems will be installed at Dakota Creek under the supervision of WHOI and SIO:

- Multi-Beam Swath Mapping System: Deep Water - Kongsberg EM-122 12 kHz 1° x 2°
- Multi-Beam Swath Mapping System: Mid Water – Kongsberg EM-710 0.5° x 1°
- Acoustic Doppler Current Profilers: 38 kHz, 75 kHz (WHOI), 150 kHz (SIO), 300 kHz
- Sub Bottom and Single Beam Profiler: Knudsen Chirp 3260, 16 Massa TR-1075 3.5 kHz transducer array; and one 12 kHz Single beam transducer
- Attitude, Heading, Reference System (AHRS): Applanix PosMV 320, or IXSEA HYDRIN (or equal)
- Sea Surface Sound Velocity System: Kongsberg SSVS, Seabird Thermosalinograph (or equal)
- Flow Thru Seawater Instrumentation (piping and pumps by shipyard)
- Broadband Satellite Communications System – TBD – Fleet Broadband, HiSeas Net, other?
- Acoustic Navigation and Tracking system – Kongsberg HiPap or Sonardyne
- Fisheries Echosounder System – Kongsberg EK60 (frequencies tbd)
- Local Area Network servers, printers, plotters, etc.
AGOR 27 (R/V Neil Armstrong) Production by Module

AGOR 27
Production Progress: 60%
Material Obligations: 90%
Overall Progress: 64%
On schedule
Pilot House being installed on Neil Armstrong
AGOR 27 (R/V Neil Armstrong) Current Production

R/V NEIL ARMSTRONG Takes on its identity
AGOR 27 (R/V Neil Armstrong)
Current Production

R/V NEIL ARMSTRONG
Primer coat on the hull
AGOR 27 (R/V Neil Armstrong)
Current Production

R/V NEIL ARMSTRONG
Galley Taking Shape
AGOR 27 (R/V Neil Armstrong) Current Production

Bridge Console Mockups – reviewed by Capt’s

Moving Genset into place

Stateroom joiner work, insulation, port light

Multibeam openings – Transducer Flat
AGOR 28 (R/V Sally Ride)
Production by Module

Production Progress: 36%
Material Obligations: 79%
Overall Progress: 45%
On Schedule

Color Key:
- Mat'l Prep
- Fabrication
- Assembly
- Erection
- Post-Outfitting
- Complete
AGOR 28 (R/V Sally Ride)
Current Production

All the parts are coming together this month
SALLY RIDE Pilot House nearing completion in the “Big House”
MOD 3 in the “Big House”

Module 3 Move across the street

Lining Up Mod 3 with Mod 4

AGOR 28 Mod 3 & 4 ready for joining
Stack and Winch Control Booth Ready for installation
Machy Space

SW bulkhead penetration

Machy Space Wireways in overhead

Prop Shafts
SALLY RIDE Pilot House interior

Cummins Genset loaded into AGOR 27

Al Suchy Inspects Propulsion Motor

AGOR 28 Main Deck – Upside Down – Bolt Holes
Ocean Class
Operator’s On Site Reps

Gary McGrath
Chief Engineer
Woods Hole Oceanographic Institution

Paul Bueren
Chief Engineer
Scripps Institution of Oceanography
Ocean Class AGOR

Questions?