

UAS use on UNOLS Vessels

Dear Marine Superintendents,

This year's UNOLS SCOAR meeting will be held in Marina, CA on June 28-29 2016. A major focus of the meeting will be on the use of unmanned airborne platforms from research vessels under the new FAA requirements. To better understand the needs of the research community, could you please provide information about past cruises (over the last two years) that made use of Unmanned Aerial Vehicle (UAVs) on your ship(s)?

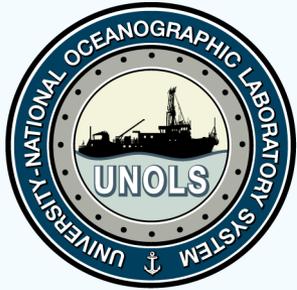
- Cruise dates
- Project title/description/PI name
- Vehicles used and operators (i.e. University vs. commercial provider)
- Brief summary of cruise research accomplishments/highlights

In general, has there been any UAV operations (by the ship's crew, science party, other) from your ship(s)?

Your feedback is greatly appreciated and requested by Wednesday, June 22nd. Please reply to Annette at office@unols.org. Thank you.

Regards,

Luc Lenain, SCOAR Chair
and Annette DeSilva



UAS use on UNOLS Vessels

	UAS Utilization in 2015 & 2016
ATLANTIS	None (but see <i>Knorr</i> slide)
R. REVELLE	None
LANGSETH	None
T.G. THOMPSON	None
SIKULIAQ	3 Cruises with UAS (see next slide)
ARMSTRONG	N/A
SALLY RIDE	N/A
KILO MOANA	
ENDEAVOR	None
OCEANUS	
ATLANTIC EXPLORER	None
HUGH R. SHARP	None
PELICAN	
WALTON SMITH	2015 LASER Expedition - Aerostat
R. SPROUL -	None
SAVANNAH	None
BARNES	None
BLUE HERON	



R/V *Sikuliaq*

July 9th – 14th 2015

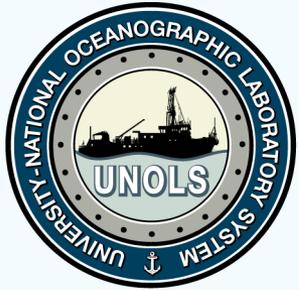
- Magnetotelluric and Seismic Investigations of Arc Melt Generation, Deliver and Storage Beneath Okmok Volcano (NSF-1456710), Kerry Key,
- -DJI Phantom (PI provided)
- -Outreach

Oct 1st - November 10th 2015

- Sea State DRI, Shipboard and buoy measurements in the Beaufort and Chukchi seas during fall 2015 aspart of large collaborative ONR Department Research Initiative (DRI). James Thomson, UW-APL
- DJI S1000, DJI Phantom, FX-61 Zeta flying wing, University of Tasmania's and WHOI
- Science and Outreach

June 13-25th 2016

- Ocean Networks Canada - Annual Maintenance, Maintenance on instruments and infrastructure. Ian Kulin, Uvic
- Core 3DR Solo
- Outreach

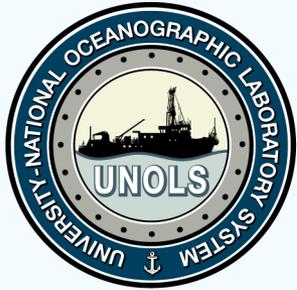


R/V Walton Smith

January 2016 – LASER Expedition

- Walton Smith Chief scientist: Eric D'Asaro
- Aerostat operations were confined to the region outlined in magenta.
- A tethered lighter-than-air Kingsher aerostat was operated from the WS. It carried an optical camera system and GPS, inertial navigation, and communication systems necessary to georeference the images and transmit them in real-time. At 150m maximum altitude a region approximately 200 meters was imaged.
- LASER website:
<http://regulus.ccs.miami.edu/laser/>





R/V Knorr

July 13 - 18, 2013

- 2013 Voyage KN211-02 "Trident Warrior":
- 50 Scan-Eagle UAV. See Images.
- Ch Scientist: Luc Lenain
- Multiple PIs
- <http://www.whoi.edu/cruiseplanning/synopsis.do?id=2162>
- <http://phys.org/news/2013-07-navy-uavs-radar.html>

Aug 23 to Sept 7, 2006

- 2006 Voyage KN185: SW-06
- Ch Sci: Bill Hodgkiss
- http://www.marine.whoi.edu/kn_synop.nsf/c2546b63c9e7f67985256291004e52e9/a6e80d6b8631326585257145006ba0bd?OpenDocument

