

STARC Report to AICC
June 9, 2015

New science van locations on 02 Deck forward

- contract issued, \$120,000
- timing and ship schedule prevented completion of project
- physical mounts in place, to be used for GEOTRACES vans
- temporary run of utilities from bow locations, HEALY engineering staff ready
- completion to be scheduled for soon after ship returns to Seattle, prior to dry docking

MapServer

- status quo
- ran fine during sea trials
- ingest of ice images dependent upon file formats, to be conducted during transit to Kodiak

new TV/Monitors installed in science cabins

- funded by NSF
- labor provided by USCG ET staff
- interfaced to science network and ship camera system

Main Lab traffic choke points

- tables trimmed to increase walk way

Remodel of Wet Lab

- storage cabinets removed
- new benches
- new table in middle
- new ice machine installed

Mooring acoustic release deck box ordered and delivered to ship

- Edgetech 8011M
- designed to interface with transducer installed in 2014

ADCP

- EMI shielding purchased and installed on both 75 kHz and 150 kHz transducer cables
- data collected during sea trials, being analyzed by Jules Hummon
- however both ADCP and EM122 systems detected increased ship noise, most likely from growth on hull

BGM-3 Gravimeter

- STARC managed several full ship power outages
- assisted service visit, May 21 – 22
- training for new OSU tech
- system groomed and calibrated, ready for 2015 cruises

Milli-Q systems

- service visit scheduled
- found damaged circuit boards
- parts ordered
- 2nd visit scheduled to complete repairs
- primary by sink aft in Main Lab
- second system temporarily installed by sink in Wet Lab, easily moved as required

One STARC tech sailing on HLY1501 (RDC)

- plans still coming together
- CTD operations
- assist as required

Three STARC techs sailing on HLY1502 (GEOTRACES)

- plans pushing capabilities of ship
- well over 100 gas cylinders
- request for VAC on fantail
- 7 vans
- walk in reefer converted into lab