

SIKULIAQ Technical Activities

AICC June 22nd 2020



© John Guillote

Photo Curtsey @iceinmotion



2020 – Technical Progress

- Awarded funding for network refresh and VM cluster
- Installed traction winch sheaves
- Installed .681 fiber optic cable
- Lubed tension members
- Added a winch control station in the computer lab
- Serviced CTD LHS (Trolley alignment, docking head cylinders, and docking head)
- Serviced Rapp drum winch band brakes and cylinders
- Installed UHF-TCP/IP Bridge
- Upgraded flow through system node (new Raspberry PI farm and NMEA enclosure)
- Installed new Tekron Time Servers
- Replaced ice damaged 4-25 kHz transducer on the centerboard
- Installed an ice guard over the transducer

- Include GNSS raw phase data into Sikuliaq data distribution
- Acquired new overboard sheaves for .681 fiber optic and 9/16 tri-wire
- Working on porting ship ops web site from Drupal to markdown supported by a git repository
- Service PCO2 flow control valve
- Service Gravimeter
- Installed new multifunction printers (Bridge, ECR, Computer Lab, O3 Lab)
- Upgrade CCTV system (server, client computers, switches, replaced failed cameras)
- Patch test EM302 and EM710
- Calibrate EK80
- Impedance test of EM302 and EM710 sonar arrays.
- Switched over Fleet Express service provider to MarLink