

Engineering Weekly Report 12/22/2022 - 12/29/2022

Executive Council Notes

Individual Activities

- Michael Anderson
- Kevin Barnard
 - Out of Office
 - Vacation 12/27-12/29
- Francois Cazenave
 - Out of Office
 - 2 sick days
- Danelle Cline
- Duane Edgington
- Jon Erickson
- Kevin Gomes
 - Out of Office
 - 12/19-12/23: Vacation
- Andy Hamilton
- Kent Headley
 - Out of Office
 - Dec 26-30 (vacation)
- Rich Henthorn
 - Out of Office
 - Nov 29 - Dec 7, COVID and quarantine
 - Dec 19 - Dec 29, vacation
- Brett Hobson
- Scott Jensen
- Brent Jones
- Chad Keczy
- Brian Kieft
 - Out of Office
 - 12/19 - 12/28 (PST)
 - 12/29-01/03 (MST)
- Denis Klimov
- Eric Martin
 - 901101 - Seafloor Mapping
 - LASS Integration on Ventana went very well. Sadly the ship was damaged and we lost our days last week.
 - 901206 - Coastal Profiling Float Transition to Science Applications
 - Testing sleep on anchor
 - 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Troubleshoot Tether damage with Andy and Francois, seems like the canbus failure was in the quad conductors somewhere inside the tether. Some water was found in the bottom termination.

- 902012 - Telepresence on MBARI Research Vessels
 - Paper is getting close, meeting weekly with the writing team.
- 902204 - Scalable Marine Robotics Foundations
 - End of year purchases for the lab
 - Hiring contacts for RE position finalists.
- Overhead
 - Met with ME and ASOE candidates last week.
- Thom Maughan
 - Out of Office
 - Dec 22 - 28 Vacation Colorado
 - Jan 4 - 8 CES
- Mike McCann
 - 901111 - AUV Infrastructure Support
 - Trying to get hyrax-docker to follow symbolic links on elvis
 - 901910 - Plankton Taxonomic Groups from AUVs
 - Adding processing of raw biolum data to auv-python
 - Exploring biolum data with datashader/bokeh in Jupyter Notebooks
 - Overhead
 - Examined some rovdtdo data processing issues for Expd
 - Out of Office
 - Dec 19, 21, 23 Vacation
- Rob McEwen
- Paul McGill
 - 701145 - Penguin Hotspots
 - Continuing work on machine learning to identify sonar targets
 - 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Repaired carousel motor on SES well enough for testing until new unit arrives
 - 901904 - Deep-Sea Coral-Sponge Community Observatory
 - Edited Fanny's paper on the Coral Mega Camera
 - Overhead
 - Training - Still working through textbook on PyQt6 GUI programming
- Tom O'Reilly
- Mike Risi
 - Out of Office
 - May 5 - vacation
 - May 9-10 - vacation
 - June 2-8 - OI cruise
 - June 10-14 - vacation
 - June 20-22 - vacation
 - July 19-20 - vacation
 - August 8-9 - out of office
 - Out of office most Fridays
- Paul Roberts
 - Out of Office
 -
- Brent Roman
 - Out of Office
 - March 8-15 visiting my dad in Sarasota, FL
- Carlos Rueda

- Out of Office
 - Worked from home for a few days due to covid case at home.
 - Nov 11–14, 23–30, Dec 8–9, 21–29: vacation; Early January (tentative): vacation.
- Karen Salamy
- Brian Schlining
 - 500055 - VARS, M3/RS, DSG
 - Iron Mountain video imports. To date, here are the statistics for the video tape to file conversion.

Platform	Video File Count	Tape time (hours)
Doc Ricketts	39,898	5,002
Mini ROV	580	68
Tiburón	5,889	2,610
Ventana	42,733	8,126

- 902005 - VARS Annotation Assistance
 - Wrapping up development, testing and integration of the new Sharktopoda 2 video player.
 - First release of VARS with Sharktopoda 2 integration is [1.4.0-rc8](#).
 - Setup instructions with VARS are [here](#).
- Out of Office
 - Jan 3 - 11 - Vacation
- Alana Sherman
 - Out of Office
 - Out of the office for sick kid Monday and Wednesday and for a school field trip Tuesday morning.