

Engineering Weekly Report 12/23/2021 - 12/30/2021

Executive Council Notes

- 902106 Niobicon AUV Dock Development - This project is in full swing this week with tests offshore and final assembly of the dock mooring in the high bay. LRAUV Tethys has been docking to a test mooring while Brian and Ben refine the acoustic homing and dock latching software. Francois, James, Johnny, Aaron, Paul and of course Jose, have been assembling and wiring up the dock mooring as we get ready for full system testing beginning next week.

Individual Activities

- Kevin Barnard
- Francois Cazenave
 - Out of Office
 - Took 1 day off
- Mark Chaffey
- Danelle Cline
 - Out of Office
 - Vacation Dec 24 - Dec 31
- Duane Edgington
 - Out of Office
 - Holiday/vacation Dec 24 - Dec 31
- Jon Erickson
- Ben Erwin
- Kevin Gomes
 - Out of Office
 - Out sick
- Andy Hamilton
- Kent Headley
 - Out of Office
 - Dec 24-Jan 1 (vacation-ish)
 - Jan 11 (jury duty, tentative)
- Rich Henthorn
 - Out of Office
 - Dec 17 - 31, Holidays and vacation. Happy New Year!
 - Jan 24 - 28, vacation, WFH combo
 - Feb 1 - 4, Sta.M Cruise
 - Feb 14 - 18, vacation, WFH combo
 - Sep 21 - 30, Sta.M Cruise
- Brett Hobson
- Scott Jensen
 - Out of Office
 - Vacation
- Brent Jones
- Chad Keczy
- Brian Kieft

- Out of Office
 - 12/22-29 (PST)
- Denis Klimov
- Diana LaScala-Gruenewald
- Eric Martin
- Thom Maughan
 - 901009 - CANON
 - Minor deeprip maintenance
 - 901805 - Coastal Biogeochemical Sensing
 - Met with Yui on release plans for pHFETSOS v3.9.2 and v4.x
 - 902004 - Planktivore
 - Camera controller design and layout complete, board is out for fab
 - Starting on VS code / platform.io for camera control firmware
 - Reviewing housing design details as Larry is beautifully fabricating the compute housing.
 - Reviewed Jon's neutral buoyancy 200m battery housing
 - Out of Office
 - Vacation delayed
- Mike McCann
- Rob McEwen
 - Out of Office
 - Dec 22-31
- Paul McGill
 - Out of Office
 - On vacation this week
- Ed Mellinger
- Tom O'Reilly
- Craig Okuda
 - Out of Office
 - Vacation days
- Doug Pargett
 - Out of Office
 - Sick Leave
- Ben Raanan
 - Out of Office
 - June 8-22
- Mike Risi
 - Out of Office
 - April 26-30: Ocean Imaging Cruise
 - May 3-7: Vacation
 - June 4-11: Vacation
 - June 28-July 2: Vacation
 - August 30-September 14: Ocean Imaging Cruise
 - September 14-17: Vacation
 - November 22-24: Vacation
 - Vacation on alternate Fridays
- Paul Roberts
- Brent Roman
 - 901205 - ESP SURF Center
 - Upgrading ESPshore server to ARM based CPU (~8x faster processor)
 - 901913 - Demonstrating high-speed communication with a submerged AUV

- Confirmed modems work in our test tank. Tweaked gstreamer pipeline parameters to improve video stability over internet – at the cost of increased latency.
- Carlos Rueda
 - Out of Office
 - Dec 21–31: mostly vacation
- Karen Salamy
 - Out of Office
 - Vacation: December 22, 2021 - January 4, 2022. May extend this to spend some more vacation time with my daughter.
- Brian Schlining
 - Out of Office
 - Jan 31 - Feb 11 - Brian will be a visiting scientist at [DARC](#) to upgrade their video annotation system.
- Rich Schramm
- Alana Sherman
 - Out of Office
 - Dr appt Weds am
 - On vacation Dec 20-31 yay!!