

Engineering Weekly Report 6/30/2022 - 7/7/2022

Executive Council Notes

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Individual Activities

- Michael Anderson
- Kevin Barnard
- Francois Cazenave
- Danelle Cline
 - 300057 - Mooring Maintenance
 - Proposal input
 - 901502 - Soundscape Research and Education
 - Maintenance on shoutcast port 8000
 - Project proposal input
 - 902005 - VARS Annotation Assistance
 - Intern support
 - Added cluster tab to dashboard <http://deepsea-ai.shore.mbari.org/#/clusters> to monitor high-level information about AWS ECR clusters like tasks and queue messages; some other updates to dash to improve track auto playback.
 - Improvements to batch processing graceful termination
 - Overhead
 - 2023 project proposals drafts
 - Out of Office
 - Marine Imaging workshop 3 - 7 Oct 2022 CEST Brest, France (GMT+2)
 - Vacation July 7-28th, back in August. 1st.
- Duane Edgington
 - 901502 - Soundscape Research and Education
 - Digging into Alex Skill and DevOps best practices
 - 902005 - VARS Annotation Assistance
 - Continuing work with Intern Manuel Gozzi. Great progress!
 - Continuing work with Danelle on testing batch processing. Working through a remaining issue.
 - 2023 follow-on work discussions with Steve Haddock and Danelle.
 - Out of Office
 - CVPR June 19 - June 24 2022 (virtual) CDT (GMT-5)
 - Registered for Monterey Data Conference, Aug 29 - Sep 1 2022
 - Vacation (international) Sept 12 - Oct 1 2022
 - Marine Imaging workshop Oct 3 - 7 2022 CEST Brest, France (GMT+2)
 - Vacation (international) Oct 9 - 19 2022
 - Vacation October 21-23 2022 (Southern California)
- Jon Erickson
 - 701145 - Penguin Hotspots
 - Waiting on the shell (shroud) parts to be delivered. "Some assembly required".
 - 902010 - Mesopelagic LRAUV

- Working on the new drop weight parts. Modifying the larger (2 liter) external buoyancy bladder to accommodate.
- Kevin Gomes
 - 200105 - Core Navigation Data - MDUC
 - Proposal input for David Packard work for 2023
 - 300057 - Mooring Maintenance
 - More preparation for M1 turn happening this week.
 - Everything looks to be in place
 - Proposal input
 - 300058 - DMO Support - Western Flyer
 - Familiarizing myself with telepresence systems on the Flyer
 - 300070 - DMO Support - Ventana
 - Some logging support related to GreenSeas troubleshooting
 - 300079 - DMO Support - Rachel Carson
 - Some dataprobe troubleshooting (turned out to be a 2nd instance running in the background)
 - 901915 - Improving the Impact of MBARI's Data
 - Working through data related templates/pages for Visceral to provide input for new website
 - Trying out some data modeling tools to see if I can find one that will help with modeling and integration of various data silos
 - Met with Katie Pitz to discuss MBTS pages (and more) for data access moving forward
 - Proposal writing
 - 902012 - Telepresence on MBARI Research Vessels
 - More bug fixes and feature improvements
 - Got information dump from Eric Martin to help support the telepresence on Jim Barry's cruise
 - 902202 - MBARI Cloud Integration Exploration
 - Check-in meeting with Emmett from AWS
 - Organizing onsite meeting with AWS
 - Working on VNC configuration for SSO-AD integration for Control Tower
 - Out of Office
 - 8/1-8/5: Vacation
 - 10/3-10/6: Vacation
- Andy Hamilton
- Kent Headley
 - 600034 - Precision Control Technologies for ROVs and AUVs
 - Testing new input modules for ROV TRN
 - Developing design for adapting ROV TRN code for OI toolshed (with dynamic acoustic measurement reference frames)
 - 901101 - Seafloor Mapping
 - The seafloor mapping cruise with Sentry ended July 1; During its successful series of science dives, Sentry flew two full science missions using assistance from MBARI's Terrain Relative Navigation software. It's a significant milestone in TRN development and its transition from Precision Control engineering research to scientific application; kudos to Rock, Caress, Henthorn, McEwen and the WHOI Sentry Team (Sean Kelly, Stefano Suman, Joe Garcia, Tim Joyce, Zac Berkowitz) for this success.
 - 902204 - Scalable Marine Robotics Foundations
 - Building Gemini Sonar SDK examples
 - Overhead
 - Proposals: Precision Control, DMO support (AUV Linux port), Seafloor Mapping, Ocean Imaging
 - Hiring/Resource planning
 - Working on software contract

- Troubleshooting OASIS GPS data/instrument issue with Jared
 - Out of Office
 - July 14-29 (vacation)
- Rich Henthorn
 - 600034 - Precision Control Technologies for ROVs and AUVs
 - CoNav refinement and testing
 - Some 2023 proposal work
 - 901101 - Seafloor Mapping
 - Dorado code Linux port
 - 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Camera deployment
 - Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)
- Brett Hobson
- Scott Jensen
 - Out of Office
 - June 9-10 for UofW/APL visit
 - June 20-22 Ohio recovery
 - June 27-July 8 vacation
- Brent Jones
- Chad Key
- Brian Kieft
 - Out of Office
 - 07/02 - 07/09 (HST - vacation)
 - 07/15 - 07/20 (AKDT)
 - 08/01 - 09/03 (EDT)
 - 09/12 - 09/28 (GMT+2 - vacation)
- Denis Klimov
- Diana LaScala-Gruenewald
- Eric Martin
 - Out of Office
 - July 1-31
- Thom Maughan
 - 901805 - Coastal Biogeochemical Sensing Program
 - NanoFET hardware debug
 - IrDA / Bluetooth dongle electronics
 - 902004 - Planktivore
 - 2023 Phase 1 proposal (overhead)
 - Camera Controller, Strobe Driver and Strobe hardware updates.
 - Overhead
 - Planktivore Proposal
 - Support for other proposals
 - Out of Office
 - Vacation 6/23 -,6/28. Colorado
 - Was Jul 6 - 19, Now Jul 8, 11. Additional 2 weeks vacation deferred until after phase 1. Camping, Bear Lake Monster Swim
- Mike McCann
 - Out of Office

- 27 June - 18 July: Vacation
 - 19-22 July: ESIP Summer Meeting, Pittsburg, PA
 - 25-29 July: Vacation
- Rob McEwen
- Paul McGill
 - Out of Office
 - On vacation until Mon, July 18. I have jury duty that week and may not be at MBARI.
- Tom O'Reilly
- Doug Pargett
 - 901205 - SURF Center
 - Started assembly of parts for G3 bench instruments
 - Ordering housing caps, material and finish options. Payment issue remains.
 - Out of Office
 - On vacation week of July 4th.
- Ben Raanan
- 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
- Paul Roberts
- Brent Roman
 - Out of Office
 - July 21 through roughly August 21
- Carlos Rueda
 - Out of Office
 - July 5–8: vacation
- Karen Salamy
 - 300057 - Mooring Maintenance
 - Preparation and support of July 5, 2022 M1 Mooring turn.
 - 901101 - Seafloor Mapping
 - Added both masked and unmasked High Resolution GMRT Basemaps to the SMDB. My updates are awaiting a merge from Mike McCann when he returns.
 - 902009 - AUV UI
 - I was assigned various tasks to help Sumo Creations and will try to address them this week.
 - 902012 - Telepresence on MBARI Research Vessels
 - Had a meeting with Kevin G. this AM regarding how telepresence is supported in the precruise web forms.
 - Overhead
 - 10 days of Well-full-ness via MBARI.
 - Out of Office
 - Took yesterday off as vacation to spend time with my family.
- Brian Schlining
 - Out of Office
 - Brian is (still) working at home taking care of a daughter with COVID.

- Jul 7-8 Vacation
 - Jul 25-28 Vacation
- Alana Sherman
 - Out of Office