

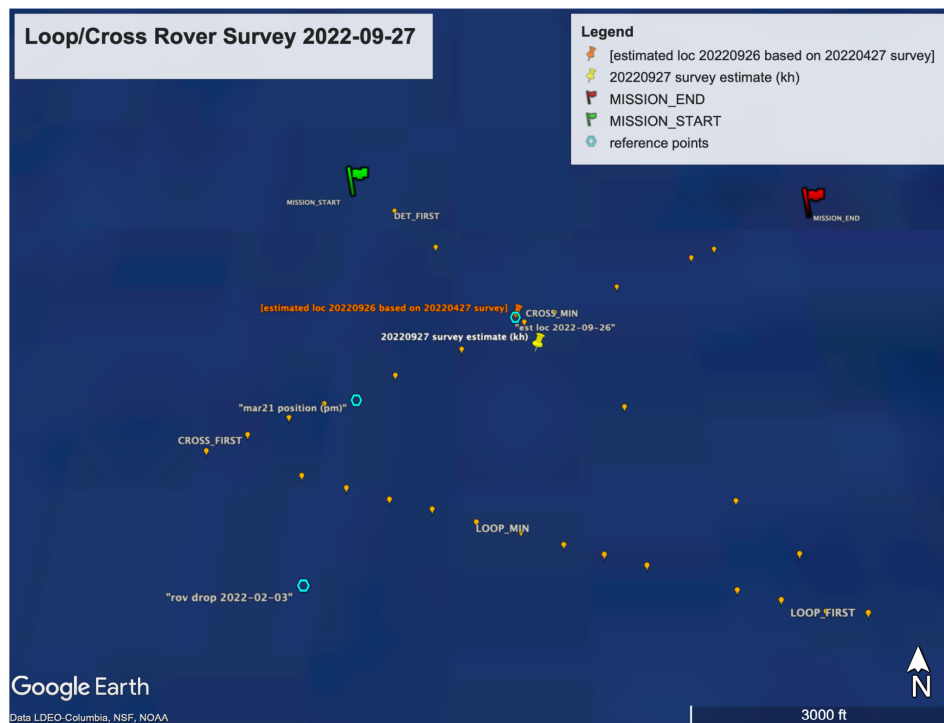
Engineering Weekly Report 9/29/2022 - 10/6/2022

Executive Council Notes

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Individual Activities

- Michael Anderson
- Kevin Barnard
 - Out of Office
 - Marine Imaging workshop Oct 3 - 7 2022 CEST Brest, France (GMT+2)
 - Vacation Oct 8 - 23
- Francois Cazenave
 - 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Monitoring buoy
 - Organizing equipment
 - 902106 - Niobicon-Based AUV Docking Development
 - Designing buoy housing and battery tower
 - Did a critical design review of electrical and mechanical design
- Danelle Cline
 - Out of Office
 - Marine Imaging workshop 2022 (MIW22) 3 - 7 Oct 2022 CEST Brest, France (GMT+2)
 - Vacation 9/28 - 9/29, 10/10-11
- Duane Edgington
 - Out of Office
 - 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
- Kevin Gomes
 - 200105 - Core Navigation Data - MDUC
 - Rigged up simulator to feed GPS data to DigiConnect to help with work to see if we can replace virtual serial ports on navproc.
 - 300079 - DMO Support - Rachel Carson
 - Testing of new VSat system (thanks Adriana for the huge amount of work!!!)
 - 901009 - CANON
 - Finished first round of python code to extract data from WGMS' new data service and am using it to publish positions for the WaveGliders since the previous access method broke.
 - 901915 - Improving the Impact of MBARI's Data
 - More web page work
 - Out of Office
 - 10/3-10/6: Vacation
- Andy Hamilton
- Kent Headley



- Rich Henthorn
 - Out of Office
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)
- Brett Hobson
- Scott Jensen
 - Out of Office
 - On travel 9/18-21
- Brent Jones
 - Out of Office
 - 2 days sick leave (non covid)
- Chad Kecy
- Brian Kieft
 - Out of Office
 - 07/31 - 08/11 (EDT) USGS
 - 08/19 - appointments
 - 08/28 - 09/01 (EDT) USGS
 - 09/12 - 09/28 (GMT+2 - vacation)
- Denis Klimov
- Eric Martin
- Thom Maughan
 - 901805 - Coastal Biogeochemical Sensing Program
 - Met with Yui on remainder of 2022 planning, working on new feature list, update for Wirewalker use case.
 - Ordering industrial microSD 1G SLC cards for filesystem testing.
 - Evaluating Code Composer Studio v12 in hopes it fixes git integration.
 - 902004 - Planktivore
 - No word yet on Planktivore lab space. Working spray battery storage problem. Ed Pelzer, Jose Rosal helping. Tin shed, high pressure test room,
 - Overhead
 - NVidia Jetpack 5.0.2 Webinar. Roadmap notes:

- Jetpack 6 on linux kernel 5.15 ubuntu 22.04 planned mid 2023. Support for Orin, Xavier is dropped.
 - Jetpack 5.x feature releases for Xavier will end with 5.2 around Apr 2023. Sustaining bug fix releases into 2024.
- Out of Office
 - A week or so in October, exact date tbd
- Mike McCann
 - 901910 - Plankton Taxonomic Groups from AUVs
 - Migrating LOPC processing into auv-python
 - Comparing Dorado legacy processing with auv-python processing in [stogs_auv_compare](#)
 - Overhead
 - Letter of support for STOQS use a BEDS-style terrestrial application
- Rob McEwen
- Paul McGill
 - Out of Office
 - Out on sick leave until Mon, Oct 3.
- Tom O'Reilly
- Doug Pargett
 - Out of Office
 - August vacation
- 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
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- Brent Roman
 - 901205 - SURF Center
 - Working with Preston and Jensen to diagnose myriad electrical problems on ESPmv1
 - Ended up replacing almost all boards
 - Found and fixed firmware bug preventing in situ updates when ≥ 5 elves on I2C bus.
 - I2C clock was being momentarily pulled up by elves as they booted.
 - Added facility to periodically pause sampling to retare pressure sensor
 - To cope with mv1 sensor's significant drift
 - 901913 - WetWiFi
 - Wahl and Hobson established we have vehicles for test in early December.
 - Out of Office
 - Sept 6 through roughly Sept 16
- Carlos Rueda
 - Deployment updated at <http://mxm.shore.mbari.org/> .
 - Out of Office
 - Oct 10–12 (tentative as some travel plans may change), Nov 11–14, 23–30, Dec 8–9: vacation
- Karen Salamy

- Out of Office
 - Personal Day: October 20.
- Brian Schlining
 - Out of Office
 - 10/3 - 10/7 - [Marine Imaging workshop](#), Brest, France
- Alana Sherman
 - Out of Office
 - Out for dentist appt