

Eric Martin

Week 53

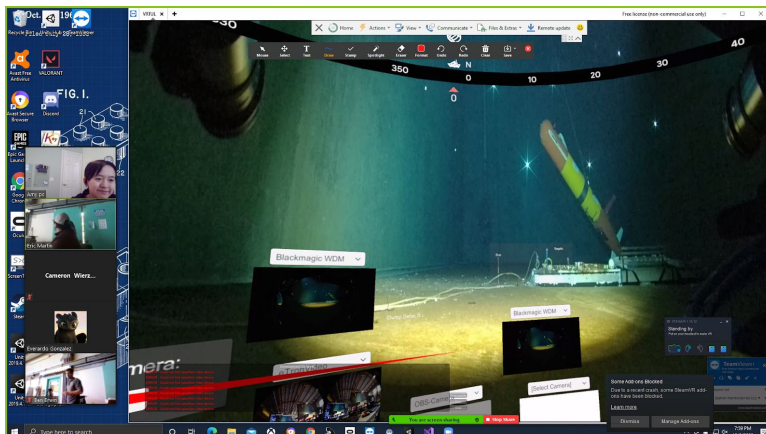
- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office

Week 52

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
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- Overhead
- Out of Office

Week 51

- 901101 - Ocean Imaging
 - Purchasing spare and parts repair.
- 901206 - Coastal Profiling Float
 - Setting up home tests for console code cleanup
 - Exploring replacement microprosser ST Nucleo board
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Tank tests and integration on the Mini ROV are complete, we were able to demonstrate VR in the test tank, and collected needed data for the enxt phase of our collaboration with student at Olin College.



- A VR view of the bottom of the test tank with ROV data overlays in testing
- DQ1942 - Buoy Power Generation
 - Working on utility to create a radar playback utility to test online wave identification from logged data on the Paragon.
- 901200 - Telepresence
 - The telepresence policy has been accepted by MT
 - Telepresence last Monday for the Aquarium.
- Overhead
 - Helping Lonny Lundsten shore up code for M3RS monitoring devices.
- Out of Office

Week 50

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Setup calibration for CPF003's DuraFET
 - Finished production checkout on CPF002
 - Reviewing Sysprog contracting options
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Setting up in the tank for testing of Olin student software.
 - Fixed mink10L to support Gigabit ethernet
- DQ1942 - Buoy Power Generation
 - Biweekly meeting last friday
 - Helping Rob get started on data analysis
- 901200 - Telepresence
 - Supported the Barry cruise last week on the Western Flyer
 - MBA cruise on Monday
- Overhead
 - Attended bi-annual Scientific Ocean Vehicles Alliance (SOVA) meeting, a new committee involving vehicle operators from SOI, WHOI, UH, OET, and NOAA. Topics discussed included recent acceleration of Telepresence, COVID restrictions, interest in VR tools, and growth of the community itself.
- Out of Office

Week 49

- 901101 - Ocean Imaging
 - Finalizing drawings and fielding quotes
- 901206 - Coastal Profiling Float
 - Cal program certified, qualifying CPF unit 2 for hydraulic buildout
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - SCOPE meeting
 - Writing software to convert navproc messages to lcm types
- DQ1942 - Buoy Power Generation
 - Analyzing radar packet structure
- 901200 - Telepresence
 - Supporting Jim Barry Cruise 12/1-12/7
- Overhead

- Out of Office

Week 48

- 901101 - Ocean Imaging
 - Cable and parts manifest,
 - building quotes and drawings updates
- 901206 - Coastal Profiling Float
 - Calibration software tuned and working for ISUS and DuraFET
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - SCOPE Meeting
 - Expanded LCM types for MiniROV to have more contextual data.
- DQ1942 - Buoy Power Generation
 - Biweekly Meeting
 - Looking at radar data for real-time processing.
- 901200 - Telepresence
 - Training for Barry group, and remaining trip prep
- Overhead
 - Archived WF Jira, installed test server.
- Out of Office

Week 47

- 901101 - Ocean Imaging
 - Ordering cables and hydraulic equipment, as well as focal spares.
- 901206 - Coastal Profiling Float
 - Calibration tools ready
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Modifying mwt-lcm-types for rovr additions
 - SCOPE meetings
 - Spares purchasing
- DQ1942 - Buoy Power Generation
 - Looking at radar data parsing outside of Matlab
- 901200 - Telepresence
 - Onboarding for Barry Group
 - Bringing Teresa Cardoza up to speed on the system after her leave.
 - Many thanks to Karen for finishing the precruise mods!
- Overhead
- Out of Office
 - Tuesdays
 - Nov 1-7 Vacation upcoming

Week 46

- 901101 - Ocean Imaging
 - End of year purchases underway
- 901206 - Coastal Profiling Float
 - Bringing up the SN002
 - Writing calibration mode program

- 901405 - PowerBuoy Development
 - Looking at radar data a little
- 901807 - Next Gen Acoustic Dorado
 - Using echopype to generate ascii data
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - Tuesdays
 - Nov 1-7 Vacation upcoming

Week 45

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - Tuesdays
 - Nov 1-7 Vacation upcoming

Week 44

- 901101 - Ocean Imaging
 - Converting drawings from Altium to Orcad.
 - Soliciting quotes for replacement cables.
 - Discussing internship and Compas Lab future efforts post-cruise.
- 901206 - Coastal Profiling Float
 - Running test profiles to polish out science files getting generated
 - Bringing up hardware on the second gen 3 build.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
 - Looking at EK60 data conversion needs.
- 901911 - ROVVR
 - Tank calibration this past monday.
 - Working with Olin student group, who are excelling at presenting realtime data for us.
- DQ1942 - Buoy Power Generation
 - Handed over AHRS data to Rob McEwen
 - Attended bi-weekly meeting with collaborators
- 901200 - Telepresence
 - On break until the Carson returns from shipyard.
 - Attended an introductory meeting with Toyota Robotics Institute organized with Steven Litvin centered around a potential collaboration on telepresence products for subsea engagement.
- Overhead
- Out of Office
 - Tuesdays
 - Nov 1-7 Vacation upcoming

Week 43

- 901101 - Ocean Imaging
 - Last week's expedition was very successful, we collected surveys on all full days of areas including Sur Ridge, the 2850 CCE Clam Bed Site using the low altitude sled. This cruise was the first use of telepresence for remote engineering as well, as we leveraged help with new camera control drivers from our collaborators Giancarlo Troni and Jose Eyzaguirre in Santiago, Chile.
- 901206 - Coastal Profiling Float
 - Troubleshooting a repetitive SD card corruption issue.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Preparing for tank calibration and testing with the Olin team.
- DQ1942 - Buoy Power Generation
 - Extracted AHRS data for our collaborator who will be applying the transformations to the radar data.
- 901200 - Telepresence
 - We are on a break until the Carson returns from shipyard.
 - We are in the second round of edits for the policy document.
 - Supported the Caress cruise last week.
- Overhead
- Out of Office
 - Tuesdays
 - Nov 1-7 Vacation upcoming

Week 42

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - Tuesdays until 2:30PM

Week 41

- 901101 - Ocean Imaging
 - Mobilizing for the 10/12-10/17 expedition
 - Working with collaborators on new camera driver
- 901206 - Coastal Profiling Float
 - Identifying next steps after tank tests were successful.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Progress from our Olin student team is good.
 - Working to supply them with contextual data.
- DQ1942 - Buoy Power Generation
 - Took out Paragon last week, and collected radar data for our collaborators.
- 901200 - Telepresence
 - Submitted board bullets

- Preparing board package slides
- Overhead
 - Helped briefly with acoustic noise tests on the Moog Hydraulic valves last week.
- Out of Office
 - Tuesdays until 2:30PM

Week 40

- 901101 - Ocean Imaging
 - Preparing for the Western Flyer cruise October 12-17.
 - Working with Giancarlo Troni and Jose Antonio Eyzaguirre Dominguez from Pontificia Universidad Católica de Chile to implement new camera drivers
 - Working with Domenic at 3DatDepth to adjust issues found during tank testing of the lidar.
 - Preparing telepresence needs for the cruise
 - Purchasing Spare linden cables.
- 901206 - Coastal Profiling Float
 - Bug fixes are queued after successful profiles
 - Met with Gene to discuss next steps.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
 - Reviewing 2021 schedule. Some tasks from this year have been descoped and moved into 2021.
- 901911 - ROVVR
 - Olin students continue to make excellent progress, we have weekly check ins to mark their progress and adjust efforts and priorities.
- DQ1942 - Buoy Power Generation
 - Another Paragon trip this past Monday to collect 3-4 hours of radar data, and now our collaborators will
- 901200 - Telepresence
 - Ken Smith had 2 successful telepresence enabled dives Monday and Tuesday.
 - Charlie Paul wrapped up 3.5weeks of continued telepresence on the Western Flyer this Tuesday. We had very few outages, and a consistently good enough performance for the USGS collaborators to make a meaningful contribution.
- Overhead
 - Handing over design files for valve pack electronics to Chad Kecz and Andy Hamilton
- Out of Office
 - Tuesdays until 2:30PM
 - This tuesday took the whole day, doctor's appointment.

Week 39

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - Tuesdays until 2:30PM
 - This tuesday took the whole day, doctor's appointment.

Week 38

- 901101 - Ocean Imaging
 - Added lidar system to frame
 - Getting TWA for tank work
 - Lining up for tank tests next week
- 901206 - Coastal Profiling Float
 - CPF bug squashing underway
 - First tank profile completed
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
 - Lights are back from the shop with filter boards installed.
- 901911 - ROVVR
 - Getting Olin students spun up. Meeting with Olin professors today.
- DQ1942 - Buoy Power Generation
 - Found issue with radar logging, verifying before scheduling a paragon day.
- 901200 - Telepresence
 - Paull cruise running along
 - AMP day on the Carson this thursday
- Overhead
- Out of Office
 - Tuesdays until 2:30PM
 - This tuesday took the whole day, doctor's appointment.

Week 37

- 901101 - Ocean Imaging
 - Installing lidar system this week, aiming for tank testing soon.
- 901206 - Coastal Profiling Float
 - Prepping for tank testing.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Preparing to kickoff our Olin student team with Kakani.
- DQ1942 - Buoy Power Generation
 - Hunting down login issues on the radar system.
- 901200 - Telepresence
 - Finished policy doc with Kakani
 - Training for Paull Cruise
 - Implementing new audio guideline from MT
- Overhead
- Out of Office
 - Tuesdays until 2:30PM

Week 36

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence

- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 35

- 901101 - Ocean Imaging
 - Lidar Returned
 - Second strobe back from new bulkhead installed
 - Next steps are to build the sled up for a full tank calibration in the next two weeks.
- 901206 - Coastal Profiling Float
 - Calibrated bellows on the buoyancy engine
- 901405 - PowerBuoy Development
 - Fixed hardware/software issues on tophat controller, all functions are working now.
 - Closed tophat
 - Radar fix is next.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Camera is at sea finally, hopefully collecting video as part of the Robison cruise
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
 - Smith days were a bit of a bust due to Microwave issues due to the River Fire
 - VSAT on the Western Flyer is working well so far for Robison cruise. Webex proves to have a few glitches, but the most stable video solution at the best quality.
 - Onboarded Paull Group for a month of telepresence scheduled in September
 - Telepresence can be totally managed remotely from the shore side, demonstrated on the WF.
 - Modifying Prediver form with Karen Salamy
 - Phase 2 Responses
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 34

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 33

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development

- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 32

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 31

- 901101 - Ocean Imaging
 - Intern advisement.
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
 - NSF project meeting
 - Aiding in data reduction for radar data, some has gone missing.
- 901807 - Next Gen Acoustic Dorado
 - Investigating python package `echopype` for parsing ek80 data
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901200 - Telepresence
 - Met regarding Katija cruise in August.
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 30

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
 - Getting radar data into analysis
 - Pushing through cable wiring
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander

- 901200 - Telepresence
 - Successfully provided telepresence on the new prototype system with remote direction and remote user control of the feed. Moving the system over to Ventana today for Chavez cruise.
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 29

- 901101 - Ocean Imaging
 - Tank prep
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
 - Tests on the Paragon were successful, we'll be analyzing datasets next.
- 901702 - Benthic Lander
- 901200 - Telepresence
 - Prepping for two cruises on the Carson next week, this will be the first use of new telepresence tools.
- Overhead
- Out of Office
 - Vacation 7/13-7/15
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 28

- 901101 - Ocean Imaging
 - Brought sled to test tank, rebuilding it for testing in the tank.
- 901206 - Coastal Profiling Float
 - Oil tested on new pump arrangement
 - Developed test tools for automation from the lab computer.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- DQ1942 - Buoy Power Generation
 - Worked with Dale Griffith JH APL
 - Prepping for Paragon work next week.
 - Starting Testing July 8, 9, and 10th.
- 901702 - Benthic Lander
- 901200 - Telepresence
 - Discretionary Funds request submitted and approved
 - Proposal discussions with Kevin Gomes and Craig Okuda
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday
 - Vacation days on thursday when available.

Week 26

- 901101 - Ocean Imaging

- Working with intern
- Strobes have been modified, waiting for bulkhead replacements
- 901206 - Coastal Profiling Float
 - Filling with oil this week.
- 901405 - PowerBuoy Development
 - Testing top hat electronics, working so far, small adjustments necessary.
- 901807 - Next Gen Acoustic Dorado
 - Proposal discussion for 2020
 - Back at sea this week, in full control of DMO at this point.
- 901911 - ROVVR
 - Discussing a new PC for better control room integration.
- DQ1942 - Buoy Power Generation
 - Finally got data from the radar last week
 - Preparing for paragon test.
- 901702 - Benthic Lander
- 901200 - Telepresence
 - Preparing discretionary request
- Overhead
- Out of Office
 - I am at MBARI Mon, Tues, and Friday

Week 25

- 901101 - Ocean Imaging
 - Our intern, Jose, has been doing fantastic work to improve the speed and reliability of stereo calibration procedures. I am working on getting components for a tank calibration.
 - This means we need a new optical target, as the old one has warped.
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
 - Backed up TS7970.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Working on a stereostich/unity bridge
 - Our Olin College collaboration has been funded by the Dassault Foundation, we'll have a class of students working on ROV visualizations in the fall semester.
- DQ1942 - Buoy Power Generation
 - Prepped for tests this week, backed up image of TS7970 for spare buildup.
 - Once tests complete, we can pursue tests on the Paragon.
- 901702 - Benthic Lander
- 901200 - Telepresence
 - Abstract presentation went well, and we have been encouraged to start operations right away.
 - Sent a survey out to PIs to collect interest and needs.
 - David Lees seminar led to some interest in xgds for use at MBARI in 2021.
- Overhead
- Out of Office
 - I am not at MBARI Mon, Tues, and Friday
 - Half day this upcoming friday for a doctor's appointment.

Week 24

- 901101 - Ocean Imaging
 - Submitted servo coil drive board to e-tech for build

- Strobes are in for refit
- Intern meetings this week
- 901206 - Coastal Profiling Float
 - Deck tests complete, no issues, filling with oil soon.
- 901405 - PowerBuoy Development
 - Prep for radar deck and potential Paragon tests
 - Helping with tophat rewiring
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Had a final presentation from the UCSC students last week, they did some nice work to build some data UI tools
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
- Overhead
 - Abstract presentation for telepresence
 - TAG review of abstracts
- Out of Office
 - I am not at MBARI Mon, Tues, and Friday
 - Half day this upcoming friday for a doctor's appointment.

Week 23

- 901101 - Ocean Imaging
 - Phone call tuesday
 - Coordinating Strobe upgrades
- 901206 - Coastal Profiling Float
 - Brought system back online, still in excellent condition, and the shutdown presented an excellent test of the battery pack discharge while disabled.
 - Preparing for the final prefill tests on friday.
- 901405 - PowerBuoy Development
 - Picking up the trefoil rewiring, met with Jose to see where it got left.
 - Got tophat endcap and parts together for rewiring.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - UCSC Check in today.
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
- Overhead
 - Western Flyer telepresence tests were extremely successful. Wrote a report and submitted to MT for review. Also wrote an abstract to continue this work in 2021.
- Out of Office
 - I am not at MBARI Mon, Tues, and Friday
 - Half day this upcoming friday for a doctor's appointment.

Week 22

- 901101 - Ocean Imaging
 - Documentation organization
- 901206 - Coastal Profiling Float
 - ZMODEM Transfer reliability testing on new server.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado

- Revisiting goals for the year, some engineering dives were lost. Those goals may be requested in 2021.
- 901911 - ROVVR
 - Check in call with UCSC.
- DQ1942 - Buoy Power Generation
 - Handoff of wireshark LCM parsing tool.
- 901702 - Benthic Lander
- Overhead
 - Telepresence scoping complete with letter transmitted to the MT. We are talking to Mike Kelley regarding a possible test and necessary resources.
- Out of Office

Week 21

- 901101 - Ocean Imaging
 - Internship check in call.
 - Falkor time has been scheduled, Dave has reached out and we're compiling integration information for the ROV team there.
- 901206 - Coastal Profiling Float
 - Reviewed lab plan
 - Went to MBARI last week to get hardware to test new code against here in the garage.
- 901405 - PowerBuoy Development
 - Supporting the radar work, we've got some traction with our collaborator and I'm making sure he's got what he needs.
 - Wrote a nifty snippet for parsing LCM traffic from pcap files collected via wireshark.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Ben got data stuck on the ship to UCSC collaborators, update meeting on their progress today.
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
- Overhead
 - Finished telepresence scoping effort, which ended with high likeliness that we can make this happen pretty quickly. Initial feedback is positive. We've decided to take advantage of the initial effort and writing to field a new project proposal for 2021 to continue and support the effort. The window is closing for any further tests before shipyard, and we may need a solution for August as soon as the boat returns. To this end we're requesting for a test next week if we can be allowed to be on the boat.
- Out of Office
 - 1 appointment yesterday afternoon.

Week 20

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Server testing
 - Calibration software
- 901405 - PowerBuoy Development
 - Reviewed funding proposal.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Meeting with UCSC last week, good progress is being made
 - Ben Erwin was able to download some VR video off of the cameras, we can start doing some photogrammetry now.

- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
- Overhead
 - ORCAD PCB Training
 - Return to work plan
 - Telepresence scoping and abstract
 - Lots of calls with industry leaders and engineers
 - URI Innerspace Center
 - SOI satellite team
 - Isotropic Networks
 - NASA Ames Telerobotic
 - MBARI IS
 - A few other private contractors.
 - Finalizing a concept proposal with cost estimates.
- Out of Office
 - I'm back fulltime this week.

Week 19

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Server features expansion, database components
- 901405 - PowerBuoy Development
 - Reviewing proposal materials
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Update call on wednesday, UCSC collaboration is underway
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
- Overhead
 - Orcad training
 - Ricketts Jira Upgrade
 - Telepresence scoping, carrying on a lot of calls with experienced groups
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5

Week 18

- 901101 - Ocean Imaging
 - Strobe upgrades meeting
 - Internship update meeting
 - Collaborator update with Giancarlo
- 901206 - Coastal Profiling Float
 - Server Effort
- 901405 - PowerBuoy Development
 - Reviewing DOE proposal RFP
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - UCSC student data sharing spin up
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander

- Overhead
 - Orcad Training here and there.
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5

Week 17

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Testing the new server, adding more features.
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Got a workflow established for location based VARS query and data ingestion for historical data presentation in VR.
 - Supporting UCSC team as they start the image analysis tasks on available MiniROV stereo image data.
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
- Overhead
 - Started PCB editor training on Orcad
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5

Week 16

- 901101 - Ocean Imaging
 - Scoping strobe guard modifications
- 901206 - Coastal Profiling Float
 - Server testing
- 901405 - PowerBuoy Development
 - LCM tool upgrades complete
- 901807 - Next Gen Acoustic Dorado
 - Wrote MT project impact report
- 901911 - ROVVR
 - VARS Data preparation for UCSC handoff
- DQ1942 - Buoy Power Generation
- 901702 - Benthic Lander
 - Providing information for the operational components to the technical writer on contract.
- Overhead
 - Orcad training
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5

Week 15

- 901101 - Ocean Imaging
 - Internship planning
 - Strobe modification design
- 901206 - Coastal Profiling Float
 - Server testing

- 901405 - PowerBuoy Development
- LCM tool upgrades
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
- Data preparation for UCSC handoff
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5

Week 14

- 901101 - Ocean Imaging
 - Looking at getting cables for Axial cruises in the fall, so far all the vendors are still open and running.
- 901206 - Coastal Profiling Float
 - Shoreside server effort continues
- 901405 - PowerBuoy Development
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Group meeting with UCSC crew, they have some enthusiastic students that want to chip in.
 - Dassault Foundation proposal.
 - Trying to interface mesobot data to students for a dataset until we have a full dataset from Ricketts.
- DQ1942 - Buoy Power Generation
- Overhead
 - Attending select lectures at GTC. Attended a day long class in C/C++ accelerated computing with CUDA. Surprisingly I learned a great deal!
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5:30.
 - Needed a full special leave day today (Wednesday)

Week 13

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Developing Float Server Service Daemon
- 901405 - PowerBuoy Development
 - Software meeting on Monday
 - Seems like testing can continue with the radar for now.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Helping Kakani with a proposal for the Dassault Foundation
 - Wrapped up trip to Oregon
- DQ1942 - Buoy Power Generation
- Overhead
 - Attending Online IEEE-VR conference
 - Training on Tuesday with GTC on CUDA C/C++
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5:30.

Week 12

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Finished transition of info to Gene.
 - Writing calibration software for MBARI MSC
- 901405 - PowerBuoy Development
 - Buoy controller wiring checkout
 - Worked with IS for a stable VLAN configuration
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Successful FAT and training in Salem, OR last week onsite at the Sexton Corporation.
 - Brought camera back and integrated it easily onto Doc Ricketts
 - We'll likely miss getting any footage before the shipyard due to the closures, we are drumming up a test scheme for
- DQ1942 - Buoy Power Generation
 - Built radar shield dome, radar is integrated
 - Documented effort and wrote a brief collaborator's guide.
- Overhead
- Out of Office
 - Due to childcare needs I'm half time until schools reopen. I tentatively plan on being online from 12:30-5:30.

Week 11

- 901101 - Ocean Imaging
- 901206 - Coastal Profiling Float
 - Closing up SN03, ready for tank
- 901405 - PowerBuoy Development
 - Controller box is working, new network configured
 - Spring controllers are checked out, getting wired into the spring
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - In Salem OR Thursday/Friday for Training/FAT
- DQ1942 - Buoy Power Generation
 - Radar nearly integrated, protective cover installed
- Overhead
- Out of Office

Week 10

- 901101 - Ocean Imaging
 - Following up on the cruise, we have installed the critical components to ride along on the Barry cruise and see if we've resolved the issues we saw at sea.
 - Reviewing intern applications
- 901206 - Coastal Profiling Float
 - Bringing a new system online.
- 901405 - PowerBuoy Development
 - Helping finish the spring controller software checkout
 - Top hat wiring underway
 - Buoy controller rewire complete, testing
 - Laser range finder drawings
- 901807 - Next Gen Acoustic Dorado

- Investigating CTD issues
- Most of the noise is gone, one more source remains.
- Had a meeting and discussed improvements to AUV mission timing accomplishments.
- 901911 - ROVVR
 - Met with Leila Takayama, spinning up some student projects for collaboration on ROV tasks and historical data presentation.
 - Heading to Oregon next week to get training on the new camera.
- DQ1942 - Buoy Power Generation
 - Once the buoy controller checks out, we'll have the radar running.
- Overhead
- Out of Office

Week 9

- 901101 - Ocean Imaging
 - Efforts at sea last week have proven the light bar concept can produce great improvement in image quality. However difficulties with collecting data at depths greater than 1500 meters will need further investigation.



- 901206 - Coastal Profiling Float
 - Met with Gene, building up battery packs with Ed.
- 901405 - PowerBuoy Development
 - Buoy controller rewiring is almost complete, I will need to check it out next week.
 - I'm working with Jose to route a board for breakout of the load cell amplifier.
 - First draft of the spring wiring in for review to Andy. I'll need to rework the spring controller for a few missed items in my BOM.
- 901807 - Next Gen Acoustic Dorado

- System at sea this week, so far seems to have achieved its mission.
- 901911 - ROVVR
 - Met with Leila Takayama (UCSC) and are developing projects for her students to undertake that will accelerate our AR element generation.
- DQ1942 - Buoy Power Generation
 - Radar wiring was part of the controller wiring, we'll be able to test the system next week.
- Overhead
 - Participated in the breakout sessions for the ERC.
- Out of Office

Week 8

- 901101 - Ocean Imaging
 - At sea this week. Testing new strobe arrangement.
- 901206 - Coastal Profiling Float
- 901405 - PowerBuoy Development
 - Wiring spec for buoy controller
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Getting the camera back for integration.
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 7

- 901101 - Ocean Imaging
 - Integrating new rotators and strobes onto the platform, loading on the Flyer for a cruise starting next Wednesday.
- 901206 - Coastal Profiling Float
 - Waiting on hardware and PCBs to continue final integration.
- 901405 - PowerBuoy Development
 - New SBC brought up
 - Redrew the Buoy Controller Housing, prepping for re-wiring
 - Finalizing drawing for the Spring Assembly
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- 901807 - Next Gen Acoustic Dorado
 - At sea this past Mon-Tues, short a few transducers.
- 901911 - ROVVR
 - Hosting a rep from Looking Glass Factory this Thursday to investigate the holographic display tech.
- DQ1942 - Buoy Power Generation
 - Amending drawings for new Radar
- Overhead
- Out of Office

Week 6

- 901101 - Ocean Imaging
 - Working on new strobe position evaluation
 - getting spare boards built up
- 901206 - Coastal Profiling Float
 - Battery audit
 - Battery pack builds

- 901405 - PowerBuoy Development
 - PTO wiring edits
 - Finalized the fix on the PTH sensor and reflected changes in schematic for the bridge controller board. Need to decide if we'll modify the new spring controller next.
 - Bringing up the new Technologic SBC.
- 901807 - Next Gen Acoustic Dorado
 - Noise has returns on the last set of dives, we'll dig deeper to see if the multiple collisions on the AUV has damaged something in the sphere.
- 901911 - ROVVR
 - The camera is mid cycling, and domes apparently are holding up well. We'd like the system back next week for integration onto the ROV.
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 5

- 901101 - Ocean Imaging
 - Working on refining the strobe lighting model, the first pass gave us light spacing locations and the next will hopefully help dictate final pattern.
 - Working with Hans regarding power distribution for the new strobes and conversion to fiber telemetry.
- 901206 - Coastal Profiling Float
 - Conducting the battery audit and final batter pack assembly.
- 901405 - PowerBuoy Development
 - Checking trefoil battery pack
 - Trying to divine pressure sensitivity in the new laser range finder.
 - Selected new SBC to replace the beleaguered Beaglebone.
 - Bringing up new controller board.
- 901807 - Next Gen Acoustic Dorado
- 901911 - ROVVR
 - Kickoff meeting and report from CES.
 - The camera is hopefully in final testing after chemically strengthening the domes over the holidays. We should hear next week, and hope to have the camera integrated for Jim Barry's next Flyer cruise.
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office