

Eric Martin

Week 52

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 51

- 708164.50 - Y2 Research Labor funds
 - Almost done with pcapng -> hdf5 conversion tool.
 - Meeting last friday with JHU collaborators.
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Planning for 2021 given new ship schedule.
 - Bi-weekly meeting with Dave and Giancarlo, discussing a new field report publication.
- 901206 - Coastal Profiling Float
 - Design reviews for SOM and LHE Primary PCBs
 - I2C LHE further troubleshooting for new primary design.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Completed writeup of failed cable. System back operational.
 - Brief meeting with Mark at South Bay to discuss options both for the long and short term.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Brief meeting with ben to go over 2022 needs
- 902100 - Telepresence on MBARI Research Vessels
 - Purchasing spare components
 - designing rackmount system
- Overhead
 - Meeting with grad student Everardo Gonzalez to discuss ROV ML/RL needs, a potential future collaboration.
- Out of Office

Week 50

- 708164.50 - Y2 Research Labor funds
 - Working on radar to hdf5 for matlab and python imports and data archival.
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
 - Troubleshooting pump configuration issues, we have been able to reproduce the failure seen at sea.

- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Extensive fault analysis has nearly been completed on the failures seen in the EM tether.
 - Reworking the controller board
 - Specifying some upgrades to the controller system.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - New paper was published this week, a total of two for the year, and this one won best paper at the conference. See EC notes above.
- 902100 - Telepresence on MBARI Research Vessels
 - Buying spare equipment
 - Mocking up UI rev 2
 - End of year summary
- Overhead
- Out of Office

Week 49

- 708164.50 - Y2 Research Labor funds
 - Meeting last friday, Rob and I are going to tackle some data analysis to see if we can detect waves.
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Troubleshooting system wide damage to the vehicle's CANbus
 - Seems to be an issue with the tether assembly.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Participated in a games workshop this Wednesday to strategize a concept for game development.
- 902100 - Telepresence on MBARI Research Vessels
 - Meeting last thursday
 - Advancing microservices and api investigations for various control room components.
- Overhead
- Out of Office

Week 48

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 47

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float

- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 46

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office

Week 45

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Na
- Overhead
- Out of Office

Week 44

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
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- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Short trip out to the buoy fixed a communication issue on the modem. Seems like the modem got into a strange edge case with AT&T and was wedged, needing a reboot.
- 901700 - Acoustical Ocean Ecology
 - Handed over some materials to Brent Jones
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
 - Supported 2 days of ops on the Rachel Carson
- Na
- Overhead
- Out of Office

Week 43

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Developed basic data ingestion pipeline for the data set the buoy has been collecting.
- 901101 - Seafloor Mapping
 - INS shipping meetings and planning with Mandy.
- 901206 - Coastal Profiling Float
 - Shoreside server development.
 - Bugfixes for encoding exceptions and SBD formatting.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Modem got into an irrecoverable state, went out on the Paragon to reset via the backdoor wifi.
- 901700 - Acoustical Ocean Ecology
 - Handed over some work to Brent Jones who's interested in parsing the EK80 data as well.
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting operations on the Carson with the Mini.
- Overhead
 - RE-Term position committee
- Out of Office
 - Appointments Wednesday and Thursday afternoon this week.

Week 42

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - October 11-15th

Week 41

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - October 11-15th

Week 40

- 708164.50 - Y2 Research Labor funds

- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - October 11-15th

Week 39

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- Overhead
- Out of Office
 - October 11-15th

Week 38

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Cleaned up the lab, helped Dave & Jenny pack for the Falkor
 - Biweekly meeting with Giancarlo Troni
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- 901206 - Coastal Profiling Float
 - Server side code development
 - Review of Magdalena's experiment implementation
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Reviewing radar control
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Presenting this week at Oceans2021 virtually.
- 902100 - Telepresence on MBARI Research Vessels
 - Brian S and I tested running the annotation slackbot on shoreside server.
 - Support last week for Quest dives.
- Overhead
 - ITAR meeting this thursday.
- Out of Office
 - October 11-15th

Week 37

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control

- 901101 - Seafloor Mapping
 - We have just completed a very successful dive series collecting some of the highest detailed maps of venting areas through the Axial Volcano area. Dave wrote a nice set of comments in last week's EC notes.
 - The system performed without any complications aside from issue with the strobe lamps, that were field repairable.
 - Credit for this success extends to the entire team at sea, David Caress Jenny Paduan, Mike Risi and Chad Kech. Special thanks to Mike, Chad, Larry Bird and Mike Conway for their aid in preparation at MBARI that led to an extremely smooth integration in Newport, Oregon.
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Reviewing UW proposal.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Presenting next week at Oceans virtually a system description paper.
 - Reviewing the next set of edits for the VRST paper based on the test tank human trials.
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting Ken Smith and Brekke ventana dives this week.
- 368000 - DMO AUV
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 36

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Offshore with David Caress, Jenny Paduan, Mike Risi, Chad Kech in the Pacific Northwest supporting low altitude survey operations. The system is working well, despite some damage and wear and tear to the strobe systems, we have had excellent dives so far.
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 35

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV

- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 34

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 33

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 32

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Assembling parts for sled prep next week.
- 901206 - Coastal Profiling Float
 - Reviewing state of CPF003
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Troubleshooting cell data issues
 - Checking on Spot tracker install
 - Provided drawing for tether hookup
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - New headset on WF for testing
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting operations for the Paull PNW cruise.
- 368000 - DMO AUV

- Back from 3 week expedition, we collected 7 good surveys despite technical issues and terrible weather conditions.
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 31

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 30

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 29

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Spot tested
 - Went over final controller changes with Jose and Andy
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - VRST Paper Submitted
 - Oceans paper in final revision
- 902100 - Telepresence on MBARI Research Vessels
 - Support for Katija Expedition
- 368000 - DMO AUV
 - On the PNW expedition as an AUV ops engineer for 3 weeks.

- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 28

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Proposal review
- 901206 - Coastal Profiling Float
 - Testing
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Spot prep and controller final wiring
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Proposal for 2022
 - Writing MBARI's section for VRST, meeting Monday, submission Thursday.
 - Oceans paper
- 902100 - Telepresence on MBARI Research Vessels
 - Proposal for 2022
 - Prep for Katija Expedition
 - Bringing Cindy Hanrahan on for administrative help.
 - Training Giovanna
- 368000 - DMO AUV
 - Preparing for cruise
 - Test download cable for Reson4
- Overhead
 - GT proposal advisement
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 27

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Bi-weekly meeting
 - Phone call scheduling with Dale Griffith
- 901101 - Seafloor Mapping
 - Scoping labor and scoping effort for proposals
 - Falkor group meeting
- 901206 - Coastal Profiling Float
 - Tank testing again with new GPS installed.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Spot tracker wired, now testing.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Reviewing VRST and Oceans Papers
- 902100 - Telepresence on MBARI Research Vessels
 - Working with UCSC student Alison Crosby on the next round of interviews for her research.
- 368000 - DMO AUV
 - Handoff from Erik

- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 26

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Radar data assessment
- 901101 - Seafloor Mapping
 - Calls for Falkor cruise.
 - Looking at heatflow probe again.
- 901206 - Coastal Profiling Float
 - Solved pressure sensor bugs, improved UI.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Spot Tracker enclosure wiring diagrammed, in to techs.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Met to review finding from the HCI study, very encouraging results were presented.
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting testing and live show production
 - Telepresence on the Barry expedition this week as well.
- 368000 - DMO AUV
 - Expedition planning meeting
- Overhead
 - Colleen Durkin Interview
 - ROV telemetry system consult
 - Various project labor quotes
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 25

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Bi-weekly meeting
- 901101 - Seafloor Mapping
 - Assessing outstanding tasks for Falkor LASS integration.
 - Testing DeltaT driver with Mike Risi
- 901206 - Coastal Profiling Float
 - Minor code edits, prepping for next round of tank tests next week.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Assessing data budget, integrating the IFCB
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Ran a 14 user trial last week, and early results are good, see the project updates.
 - My abstract to Oceans was accepted, paper will be submitted in mid-July.
- 902100 - Telepresence on MBARI Research Vessels
 - Telepresence support for Robison last week, Smith this week.
 - Test for Sur Ridge Live, they are using the telepresence equipment.
- 368000 - DMO AUV
 - Meeting to plan PNW expedition.

- Overhead
 - Initial meeting for Doc Ricketts telemetry upgrade scoping effort.
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 24

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Met with 3D at Depth regarding proposed work for 2022.
- 901206 - Coastal Profiling Float
 - Getting ready for sea trials.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Getting wifi and spot parts together.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - We are working with Leila Takayama UCSC to conduct HCI trials aimed at determining the benefit of the VR system over conventional multi-camera 2D presentation.
 - We are using the mini and will test 14 MBARlans from W-F.
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting telepresence on WF for Bruce Robison.
 - Sur Ridge Live prep and coordination.
- 368000 - DMO AUV
 - At sea last week, advising Dorado group as I can with tailcone and kearfott issues still remaining.
 - The PNW expedition was approved, I will be gone for 4 weeks in support of this
- Overhead
- Out of Office
 - July 19-Aug16 Pacific Northwest for Dorado support.

Week 23

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - Tuesdays until summer break for schools.

Week 22

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology

- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 368000 - DMO AUV
- Overhead
- Out of Office
 - Tuesdays until summer break for schools.

Week 21

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Developed sample LCM realtime parsing code example for Dale
 - Very Close on decoding the radar data packets
- 901101 - Seafloor Mapping
 - Meeting with Jon Marcus at Norbit Multibeam
- 901206 - Coastal Profiling Float
 - Troubleshooting bug in BT Console
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - IFCB software test planning
- 901700 - Acoustical Ocean Ecology
 - Consult to Chad regarding scoping for battery sizing for a moored bioacoustics package.
- 901911 - ROVVR
 - Presented abstract on Monday to MT
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting Katija expedition on the Rachel Carson
 - Haddock expedition setup.
- 368000 - DMO AUV
 - Dorado mapping day on Friday
 - Responding to new request to support PNW expedition in July.
- Overhead
 - Attending a 3-day course on Test Driven Development for Embedded applications.
- Out of Office
 - Tuesdays until summer break for schools.

Week 20

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Lidar data analysis shows that errors are still happening, engaging 3D@depth soon.
 - Shipping requirements for GOC and NW Expedition passed onto Teresa.
- 901206 - Coastal Profiling Float
 - Troubleshooting issues with new sparkfun GPS carrier
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Looking at remaining tasks for deployment.
- 901700 - Acoustical Ocean Ecology
 - Brief analysis of battery need for moored deployment
- 901911 - ROVVR
 - Attended Olin SCOPE final symposium, transitioning projects to MBARI github.
 - Study approved at UCSC for VR HRI test tank trial, initial meeting with Leila and Ben to run tests in June, for publication in July.
- 902100 - Telepresence on MBARI Research Vessels

- Update with Mike Kelly last monday
- Supporting Katija expedition on the RC
- Writing next survey for annotation needs
- 500055 - Video Annotation DM
- 368000 - DMO AUV
- Overhead
 - Presented to 60+ 9th STEM students in the Oakland area last week, discussing Marine robotics and the associated challenges. They would like to follow up with a tour next year.
 - Test driven development class next week.
- Out of Office
 - Tuesdays until summer break for schools.

Week 19

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 500055 - Video Annotation DM
- 368000 - DMO AUV
- Overhead
- Out of Office
 - Tuesdays until summer break for schools.

Week 18

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Offshore last week on the Western Flyer, conducted 4 surveys at Extrovert Cliff, and Octopus Garden. Dive time lost only to weather and ship issues.
 - Equipment ran successfully, new TCU was a great help in mob/demob and reliability. Lighting improvements have generated the best photography to date.
- 901206 - Coastal Profiling Float
 - Concept review for HDBP
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Final presentation by SCOPE team, they were able to deploy a useful solution.
- 902100 - Telepresence on MBARI Research Vessels
 - Supported operations on the Flyer and Carson.
- 500055 - Video Annotation DM
 - Helped Lonnie at sea troubleshoot issues with M3RS.
- 368000 - DMO AUV
 - Helping Erik T look at issues with the edgetech system.
- Overhead
- Out of Office
 - Tuesdays until summer break for schools.

Week 17

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
- 902100 - Telepresence on MBARI Research Vessels
- 500055 - Video Annotation DM
- 368000 - DMO AUV
- Overhead
- Out of Office
 - Tuesdays until school is back in session.

Week 16

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Attended 2 meetings, trying to get offline data analysis set up.
- 901101 - Seafloor Mapping
 - Prepping for the cruise next week. Lots to do.
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Bi-weekly meeting
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Submitted abstract for Oceans 2021
 - Prepping for tank test Friday.
- 902100 - Telepresence on MBARI Research Vessels
 - Training with Jenny for next week's Caress Expedition on the Flyer
- 500055 - Video Annotation DM
- 368000 - DMO AUV
 - Training for I2MAP acoustics sphere charging.
- Overhead
- Out of Office
 - Tuesdays until school is back in session.

Week 15

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Sled checkout and prep for new TCU
 - Found a bad CTD, investigating.
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - SCOPE Meeting
 - Prepping for test on Mini next week
- 902100 - Telepresence on MBARI Research Vessels

- Sur Ridge Live Show meetings
- 500055 - Video Annotation DM
- 368000 - DMO AUV
 - At sea 2 days last week
 - Following up on tasks for engineering support requests.
- Overhead
 - PE Candidate interview writeups
 - AUV Engineering Hiring Committee
- Out of Office
 - Tuesdays until school is back in session.

Week 14

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Trying to convert Umesh's code
- 901101 - Seafloor Mapping
 - Sled moved to tank, testing tomorrow and next week.
 - Helping Chad with TCU issues as they arise.
- 901206 - Coastal Profiling Float
 - Successful offshore test last friday with CPF003.
 - Squashing minor bugs in mission.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - SCOPE Team LCM testing support.
- 902100 - Telepresence on MBARI Research Vessels
 - Presentation at SOVA
 - Sat in for initial meeting with production company for June live event.
- 500055 - Video Annotation DM
- 368000 - DMO AUV
 - Offshore Monday/Friday with Mapping AUVs
- Overhead
 - DMO AUV hiring committee
 - PE second round interviews
- Out of Office
 - Tuesdays until school is back in session.

Week 13

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Diagrammed WBS for software efforts needed prior to deployment.
- 901101 - Seafloor Mapping
 - Training on AUV3 Multibeam System with Hans
 - Rotator cable submitted to shop
 - Prepping for tank tests
 - Reviewing final TCU design
- 901206 - Coastal Profiling Float
 - Implementing factory and usb modes in core code.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology

- 901911 - ROVVR
 - SCOPE meeting
 - Getting lab set up again
 - Revisiting VR paper for submission to Oceans
- 902100 - Telepresence on MBARI Research Vessels
 - Meeting last week
 - Starting front end design
 - Reaching out to the Video Lab for annotation needs.
- 500055 - Video Annotation DM
- 368000 - DMO AUV
 - Interview on Tuesday, one candidate identified
- Overhead
 - PE Candidate interview prep
- Out of Office
 - Tuesdays until school is back in session.

Week 12

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Revising SW dev plan, and meeting with group.
- 901101 - Seafloor Mapping
 - Prepping for WF cruise
 - Submitting cable assemblies for fab.
- 901206 - Coastal Profiling Float
 - HDBP meetings
 - Tank test mods
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Seems like we got some good footage at octopus garden last week.
 - Prepping for final phase of SCOPE effort.
- 902100 - Telepresence on MBARI Research Vessels
 - Supports Katija and Barry cruises on the Rachel Carson and Western Flyer concurrently.
- 500055 - Video Annotation DM
- 368000 - DMO AUV
 - Finished hours estimate and still coming up to speed.
- Overhead
 - Hiring interviews for Dorado Engineer through yesterday, one more to go.
- Out of Office
 - Tuesdays until school is back in session.

Week 11

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
- 901206 - Coastal Profiling Float
 - Developing factory mode.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR

- Prepping camera for Barry expedition, changed power supply and replaces CFast cards.
- 902100 - Telepresence on MBARI Research Vessels
 - Prep for Barry and Katija expeditions, trying a new audio scheme for the MiniROV work.
- 500055 - Video Annotation DM
- 368000 - DMO AUV
 - Many transitional knowledge downloads from Hans as he prepares for departure.
- Overhead
 - Dorado Engineer hiring committee is conducting interviews this week.
- Out of Office
 - Tuesdays until school is back in session.

Week 10

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Developing a plan for software efforts.
 - Prepping for a pier test for next week.
- 901101 - Seafloor Mapping
 - Reaching out to Hans to discuss knowledge transition on Sonar components.
- 901206 - Coastal Profiling Float
 - Potential fix for SD card failure seems to be working, more tank tests will confirm.
 - Reviewing HDBP materials
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Mini ROV Integration
 - Scope team testing efforts
- 902100 - Telepresence on MBARI Research Vessels
 - Supporting Smith operations offshore.
 - Prep for Katija and Barry expeditions next week.
- 500055 - Video Annotation DM
- Overhead
- Out of Office
 - Tuesdays until school is back in session.

Week 9

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Failed build of ROS on the TS7970
- 901101 - Seafloor Mapping
 - Deep dive into Lidar data after irregularities in Head A were discovered from October Data
- 901206 - Coastal Profiling Float
 - Tanks test continue
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Reviving the Spot tracker
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Mini integration
 - Olin Scope team meeting
 - Fixed software issues on the camera control box.
- 902100 - Telepresence on MBARI Research Vessels

- Reviewing results of initial user survey, some very interesting responses.
- Telepresence operations are returning. Supporting Smith March 8-9, and the Barry expedition on the WF.
- 500055 - Video Annotation DM
- Overhead
- Out of Office
 - Tuesdays until school is back in session.

Week 8

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - SBC moved into the lab, added to the can network
- 901101 - Seafloor Mapping
 - Call last friday regarding new heatflow probes to be made by WHOI. They have some manufacturing roadblocks we'll try to navigate.
 - Checked out old sensor, seems to be working, we'll need to order a new bulkhead and cabling.
- 901206 - Coastal Profiling Float
 - Squashing bugs, we have a new streamlined to-do list we're working from.
 - Tank tests went well over the weekend.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Group meeting Thursday
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - SCOPE Meeting Tuesday
 - Working on MiniROV integration plan with Paul Roberts.
- 902100 - Telepresence on MBARI Research Vessels
 - Attended Leila's first pass review meeting of the user survey, she'll be presenting more results to the entire group this thursday.
- 500055 - Video Annotation DM
- Overhead
 - PE applicant seminars attended.
- Out of Office
 - Tuesdays until school is back in session.

Week 7

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Moving sbc into the lab
- 901101 - Seafloor Mapping
 - Lots of calls last week for Falkor
 - Digging into the old heat flow probe
- 901206 - Coastal Profiling Float
 - Tank testing has resumed, squashing bugs in data output.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - SCOPE Meeting
 - Initial Plan for EyeRIS and ROVVR camera integration on mini
- 902100 - Telepresence on MBARI Research Vessels
 - Waiting for the results of the user study.

- 500055 - Video Annotation DM
- Overhead
- Out of Office
 - Tuesdays until school is back in session.

Week 6

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Meeting last Friday, we're still in data analysis, but the realtime driver is getting near time for it to become defined.
- 901101 - Seafloor Mapping
 - Meetings regarding the Falkor Cruise in October.
 - The hunt for the test cable has failed, tearing it apart.
- 901206 - Coastal Profiling Float
 - Software architecture concept design for the high-density battery pack.
 - Tank testing CPF003
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Built up spare TS7970, installing ROS2 on it.
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - SCOPE Meeting Tuesday
 - Drawing up micro plan, testing the teensy board.
 - Selecting a timecode generator and purchasing.
- 902100 - Telepresence on MBARI Research Vessels
 - Helping Leila whip survey participants, she's almost through the first round of 12.
 - Review VARs mods
 - Passing on materials to Kevin, Karen, and Rich
 - Board Bullets
- 500055 - Video Annotation DM
 - Modified code with more exception handling to avoid GUI freeze observed after 24 hours.
- Overhead
- Out of Office
 - Monday due to illness in the family.
 - Tuesdays until school is back in session.

Week 5

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
 - Building out TS7970 with ubuntu for ROS install
- 901101 - Seafloor Mapping
 - Falkor integration of the LASS underway
 - Met with Giancarlo regarding next steps in stereo camera improvements.
- 901206 - Coastal Profiling Float
 - Checkout of CPF003
 - Tank Testing
 - Battery pack software requirements review.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
 - Processing EK60 DEIMOS data, initial results are checking well against Echoview.
- 901911 - ROVVR

- Kickoff meeting for SCOPE students
- Evaluating the Teensy board for a simple ethernet controller with audio output, PTH, and timesyncing.
- 902100 - Telepresence on MBARI Research Vessels
 - Getting Karen setup on the project.
 - Supporting Leila Takayama as the Telepresence User Study gets underway.
 - Tested gear on the RC after the pilots moved it in the racks.
- 500055 - Video Annotation DM
 - Adding multi-card divenumber write support to the config.
- Overhead
- Out of Office
 - Tuesdays until school is back in session.

Week 4

- 708164.50 - Y2 Research Labor funds
 - Meeting last week, discussing wave analysis mostly.
- 708167 - WEC Dynamics and Control
 - Getting an image of Ubuntu onto the spare TS7970 for ROS Eval
- 901101 - Seafloor Mapping
 - Processed Focal Repair
 - Ordered Camera for Prosilica upgrade
- 901206 - Coastal Profiling Float
 - Attended calls regarding Battery Pack design and new SOM eval.
 - Remote troubleshooting for an overdischarged float during calibration.
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
 - Finally made some progress processing Simrad data from the EK60 at MARS, reviewing it with Kelly and Chad for next steps.
- 901911 - ROVVR
 - Ordered components for time sync and PTH monitoring.
- 902100 - Telepresence on MBARI Research Vessels
 - Participated in remote manipulator arm tests with a lab in Munich, Germany for Leila Takayama.
 - Leila and I have solicited for the first round of interviews for the telepresence user survey.
 - Compiling system information for Kevin and Rich.
 - Annual report contributions.
- 500055 - Video Annotation DM
 - Troubleshooting Lingon setup with Lonny.
- Overhead
 - Review with Alana.
- Out of Office

Week 3

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Bi-weekly collaborator meeting with Giancarlo Troni.
 - Discussion of new task to refurbish the old heat flow sensor.
 - Ongoing discussions with Chad Kecz about the TCU.
 - Meeting and advisement on a potential post-doc application.
- 901206 - Coastal Profiling Float
 - Reviewing SOW for external code contract quote solicitation.

- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Advising Brett Hobson on our current cellular modem implementation of 4G LTE on the buoy for a similar project he is tackling.
- 901700 - Acoustical Ocean Ecology
 - Importing Deimos data, sadly this ek60 data does not ingest into echopype, a package that reads in simrad data. I am investigating what is broken in the library.
- 901911 - ROVVR
 - Finished ucontroller survey, purchased evaluation modules.
- 902100 - Telepresence on MBARI Research Vessels
 - Held kickoff meeting, moving forward we are focused on the user survey.
 - Compiled a list of past participants for the survey.
 - Investigating Slack export data from telepresence channels as a data product.
- 500055 - Video Annotation DM
- Overhead
 - Review material prep
- Out of Office

Week 2

- 708164.50 - Y2 Research Labor funds
 - Attended bi-weekly meeting last friday.
 - Wrote a software tool to extract radar settings from network captures to aid Rob McEwen in wave analysis.
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Edited drawing sets
 - Finalized cable wiring schematic for vendors
- 901206 - Coastal Profiling Float
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
 - Warming back up into EK60/80 Data ingestion with Python
- 901911 - ROVVR
 - Microcontroller selection for synchronization and camera PTH monitoring.
- 902100 - Telepresence on MBARI Research Vessels
 - Project prep
 - Working with Leila Takayama on the user survey
 - Assembling a list of participants
 - Reviewing interview questions
- 500055 - Video Annotation DM
 - Working with Lonny to test and deploy refactored tools for M3RS monitoring.
- Overhead
 - Picture a scientist
- Out of Office
 - Out sick wednesday.

Week 1

- 708164.50 - Y2 Research Labor funds
- 708167 - WEC Dynamics and Control
- 901101 - Seafloor Mapping
 - Met with Chad Kecz to discuss his efforts for 2021.
- 901206 - Coastal Profiling Float

- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901700 - Acoustical Ocean Ecology
- 901911 - ROVVR
 - Researching available network modules for PTH measurements and digital outputs for providing a sync pulse to our videos.
- 902100 - Telepresence on MBARI Research Vessels
 - Scheduled kickoff meeting for next week.
 - Project management setup
- Overhead
 - Wrapping up some end of year work on M3RS code w/ Lonny
- Out of Office