

Scott Jensen

Week 53

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH₄- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday

Week 52

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH₄- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday

Week 51

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Slow testing of the terrestrial housing is continuing. The connectors seem to seal but now onto all the little imperfection in an oil drum:)
 - Most of the pressure sensors have been paired with a calibrated amplifier.
- 901405 - PowerBuoy Development
 - Deployment power unit is mounted on the lab MG setup. System characterization is taking place for modeling purposes.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - MFET/MCAP has been sent out for fabrication and assembly.
- 901909 - NH₄- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation

- Overhead
 - LRAUV Thruster Drive prototype has run the motor in the lab connected to the dynamometer. Efficiency numbers need to be compared to current implementation. It is a sensorless chip and seems to be able to start the motor and keep it spinning. A windmilling test needs to be performed. Discussions are starting about how the final device will interface and mount in the vehicle.
- Out of Office
 - Current schedule is Monday-Wednesday

Week 50

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Slow testing of the terrestrial housing is continuing. The connectors seem to seal but now onto all the little imperfection in an oil drum:)
 - Most of the pressure sensors have been paired with a calibrated amplifier.
- 901405 - PowerBuoy Development
 - Deployment power unit is mounted on the lab MG setup. System characterization is taking place for modeling purposes.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - MFET/MCAP has been sent out for fabrication and assembly.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- LRAUV Thruster Drive prototype has run the motor in the lab connected to the dynamometer. Efficiency numbers need to be compared to current implementation. It is a sensorless chip and seems to be able to start the motor and keep it spinning. A windmilling test needs to be performed. Discussions are starting about how the final device will interface and mount in the vehicle.
- Out of Office
 - Current schedule is Monday-Wednesday
 -

Week 49

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday
 - Quarantine due to travel until November 30. Working at home.

Week 48

- 901204 - Enhancing Det Chemistries

- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday
 - Quarantine due to travel until November 30. Working at home.

Week 47

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Big order to start standard stock of MCAP and MFET is underway
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Got the LRAUV thruster motor spinning using the driver IC being evaluated.
- Out of Office
 - Current schedule is Monday-Wednesday
 - Quarantine due to travel until November 30. Working at home.

Week 46

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday

Week 45

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Terrestrial housing lid has been machined and connectors potted. First pressure test showed a leak at the drum seam but a little grease seems to have sealed it. Next up is let it sit.
- 901405 - PowerBuoy Development

- Replacement batteries have been installed and now the entire bank is being charged and leveled.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - npHOx new FET bias configuration seems to work. Although, it does need op amps that can handle the higher common mode it imposes. The processor and ADC have been installed so that cod can begin to be developed for it.
 - Beginning work on a big order of MFETs.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Getting reacquainted with embedded programming with the development of a lower quiescent power motor drive for the thruster.
 - Started roll out of Schematic version control system.
- Out of Office
 - Current schedule is Monday-Wednesday

Week 44

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday

Week 43

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Supporting upcoming WF and SailDrone deployments
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - npHOx checkout is continuing. A poor choice in amplifier is causing some consternation and in search of an alternative.
 - Failure analysis on a few MFET's are not turning up common problems.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Monday-Wednesday

Week 42

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Unpacking and putting away gear from Gulf of Mexico along with assisting with forensics.
- 901405 - PowerBuoy Development
 - Investigations and prototyping of LRAUV dock concept
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - npHOx board has arrived and is nearly assembled. Current tests look promising as bard bring up continues
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Coordinating purchase of MBARI Wire Walker with RBR and Del Mar Oceanographic
 - meetings
- Out of Office
 - Current schedule is Monday-Wednesday

Week 41

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 40

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Uncovered a cold solder joint in one of the Elf boards for G3. This means all Elf are going to need to be inspected.
- 901405 - PowerBuoy Development
 - Uncovered an undocumented "feature" of the DSPic. Really it was a missed reality of the circuit but had a catastrophic effect. That has been cleared and the clunk is gone.
 - Circuit changes have been made to deployment hardware.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead

- Continued learning the EDM system for Orcad. We have almost all corners explored and the major functions operational. There are however a few details that need to be understood.
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 39

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Continuing to work on Elf failure.
- 901405 - PowerBuoy Development
 - Cleaned up the bus voltage and current signals with a change in opamp performance. Which has reduced system noise by an order of magnitude.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Really getting a handle on the EDM software. About ready to bring in a few people to test setup and get feedback.
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 38

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Supporting Saildrone effort
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Discussions around bringing the MFET/MCAP design to a stable release version and clearing various revisions.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Working with Orcad vault system, EDM, to figure out how it works and how EE's may best implement its use.
- Out of Office
 - Current schedule is Sunday-Tuesday
 - Because of work related travel I will not be on site due to MBARI's policy which will be a minimum of September 17.

Week 37

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Traveled to move our recovery gear and then decommission ESP instrument and package everything to be shipped back to MBARI.

- 901405 - PowerBuoy Development
 - An unstable operating point has been discovered, need to figure out the source.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Defined and of MFET/MCAP development with transition to distributable version
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday
 - Because of work related travel I will not be on site due to MBARI's policy which will be a minimum of September 17.

Week 36

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 35

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
 - Checked out the new set of deployment boards and then set them aside. Some more detailed work needed to be done on a few instabilities in the system and this kind of work should not be done on the deployment hardware. Settling time and some time constraints were the leading causes. With those cleared other items on the to do list are being addressed.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - NanopHOx is ready to be sent out for fabrication.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
 - The sample pressure sensor currently installed in instrument Koa has too much offset. This usually means the sensor has been damaged. Drawings for bulkhead connectors have been delivered along with parts.
- DQ1942 - Buoy Power Generation
- Overhead
 - PCB training is coming along and I think my first board is ready for fabrication.
- Out of Office

- Current schedule is Sunday-Tuesday

Week 34

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Checked out power supply for SailDrone
 - Completed drawings of cables for SailDrone
 - Gathered material to send to SailDrone
- 901405 - PowerBuoy Development
 - Finished check out of new development PCB set
 - Finished layout of new Load Dump Switch PCB
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Put together history of MFET and MCAP
 - Finished layout of nanopHOx
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 33

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Put together test of power supply to be used on the SailDrone deployment
 - Created drawings of the bulkhead connector pinouts that will be used with the Flower Pot instrument housing that will be deployed on SailDrone.
- 901405 - PowerBuoy Development
 - New set of power electronics are in and have been calibrated and tested.
 - Working on the first revision of the Load Dump Switch that will deal with the inductance in the power delivery.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - npHOx is slowly taking shape with a first layout going into review.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Used training from earlier this year to layout a PCB using PCB editor. Our resident expert says a few more boards and I might be proficient:)
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 32

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development

- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 31

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 30

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 29

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

- Current schedule is Sunday-Tuesday

Week 28

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Getting Scott Creek power station put away
- 901405 - PowerBuoy Development
 - Took one step forward and two back with deployment hardware. It all mounts up nicely and ran well. Load dump needs to be tested and electrical adjustments made, if necessary.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Sent out for a fabrication build of 38 MpHOxs.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 26

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - One instrument suffered a sensor failure. The new sensor was calibrated and ready for installation.
 - Scott Creek power station has been recovered, ran for just over a year supply power to a locally deployed ESP instrument
 - Last minute Gulf of Mexico recovery scrub due to weather. Currently waiting for weather to improve
- 901405 - PowerBuoy Development
 - Generator electronics have been proven out and will be able to exceed the needs of the system. The system quite happily generated 12kW.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - MpHOx boards have been checked out and ready to go to large build.
 - MCAP suffered noise while operated near a Seabird 5P pump. Noise source was tracked to the pumps lack of common mode noise suppression capacitors. Addition of capacitor eliminates noise from MCAP. Some more diagnosis is needed to determine the noise vulnerability within the MCAP system
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Figuring a way within Orcad and its Variant mode how to capture configuration jumpers settings.
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 25

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication

- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 24

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 23

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Beginning preparations for GoMex recovery.
 - Set date for Scott Creek Power station retrieval
- 901405 - PowerBuoy Development
 - Battery Contactor Controller prototype has gone through the first round of testing successfully.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Tested 5 reworked MFETs, all failed. Jose was able to salvage one. Others will need the same work.
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Looking into solidworks training in July during my post-travel quarantine.
- Out of Office
 - Current schedule is Sunday-Tuesday

Week 22

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab

- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 21

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 20

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 19

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Figured out a very low power design for Wake and Hibernate circuits of NanopHOx
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Worked on back to work plan
 - Completed PCB training
- Out of Office

Week 18

- 901204 - Enhancing Det Chemistries

- 901205 - ESP SURF Center
 - Mostly a meeting
- 901405 - PowerBuoy Development
 - Investigate Battery options
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Orcad PCB training
- Out of Office

Week 17

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Found a very low power solutions for the hibernate feature on NpHOx
 - Started the layout of NpHOx
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
 - Started Orcad PCB Editor training
- Out of Office

Week 16

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 15

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan

- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 14

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 13

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 12

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Looking like the Harting connector is not going to be that wonderful, looking at a similar solution
- 901405 - PowerBuoy Development
 - Tried to get HV Bus and Bridge controller sent out, Jose was able to this week
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 11

- 901204 - Enhancing Det Chemistries

- 901205 - ESP SURF Center
 - Continued work on terrestrial housing as parts come available
 - Attended a couple collaborator meetings
- 901405 - PowerBuoy Development
 - Worked on code for the battery Contact controller.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Entered pin assignments for Nano pHox
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 10

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Work with a Mechanical technician to identify the required elements for the ESP 2g terrestrial housing.
- 901405 - PowerBuoy Development
 - Battery Contactor Control needed a design change to make it more robust and reliable. State diagram for the operation has been developed.
 - Required parts were identified, and ordered.
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 9

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Working on plans for an alternate light duty, terrain based instrument housing
- 901405 - PowerBuoy Development
 - Finalizing plans to control capacitive inrush during transitions, hopefully
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Overseeing fabrication of revision D of MFET/MCAP
- 901909 - NH4- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 8

- 901204 - Enhancing Det Chemistries

- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH₄- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 7

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
- 901405 - PowerBuoy Development
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
- 901909 - NH₄- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 6

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Preparation and packing for Gulf of Mexico deployment
- 901405 - PowerBuoy Development
 - Waiting for parts to try and solve an over-current condition during bring up
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Layout beginning for MphOx
- 901909 - NH₄- & DIC-Digiscan
- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office

Week 5

- 901204 - Enhancing Det Chemistries
- 901205 - ESP SURF Center
 - Preparations for Gulf of Mexico deployment
- 901405 - PowerBuoy Development
 - Diagnosed transistor failure to capacitive inrush
- 901706 - Fault Prognostication
- 901805 - Coastal Biogeochemical Sensing
 - Completed first draft of schematic for nano-pHOx
- 901909 - NH₄- & DIC-Digiscan

- DQ1870 - NOAA Merhab
- DQ1904 - NOPP Saildrone
- DQ1942 - Buoy Power Generation
- Overhead
- Out of Office