

Brent Roman

Week 53

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Installed ESP in Building B attic and telebuoy on roof
 - Testing Certus enabled satcoms
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 52

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 51

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - With Greg Voogds help, found suitable place on roof of Bld B to mount Iridium Antenna
 - James McClure is mounting the components of UW's "telebuoy" in weatherproof housing

- This will connect to an ESP2 “sleepy” board in Bld B attic to allow full up testing of Iridium Next and cellular comms.
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
 - Moving office to G-206
- Out of Office

Week 50

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
 - Corrected some troublesome networking misconfigurations for Kevin Gomes
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Added support for generation of PNG images (in addition to TIFF)
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Helped Nadia just a bit with the lab move to Bld G
- 901913 - Wet Wifi
 - Deployed on ventana. Housing flooded. Modems returned to OceanComm.
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 49

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 48

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Customized dumplog with script for NW Fisheries to analyze their recent ESP logs
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
 - Finally finished the cable between the Ventana and H150 modem
 - Hoping to test long-range H150 on Mars dives
 - Working with DJ Osborne on reducing or eliminating subsea multicast traffic
 - As this overwhelms the limited modem bandwidth
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 47

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 46

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Starting porting libjxl (jpeg successor) to ESP Linux
 - Switching ESP from using TIFF to PNG images (to ultimately compress using cjxl)
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center

- Working with Bill Ussler to test and flash firmware and FPGAs on a batch of new SPR boards
 - Helps support ESP ops at the sampler bake off at Aquarium
- 901913 - Wet Wifi
 - Working with DJ to test long-range modems on Ventana during MARS cable inspection dives.
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 45

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 44

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Looking into how to port libjxl to ESP ARM Linux
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Wrote 2G mission for upcoming sampler bakeoff at MBA
- 901913 - Wet Wifi
 - Deployed on the miniROV Monday and Tuesday
 - High frequency modem works better than long range modem
 - Both struggling with acoustic interference
 - Likely from the USBL
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 43

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
 - Updated RockPi-S to use current version of u-boot
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
 - Purchased and configured Linux based Wago controller
 - Fixed a Wago bug preventing hostname from being sent to DHCP servers
 - Arranged modem swap with Rachel Carson crew
 - Negotiated miniROV dive sharing with Giancarlo
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - Terminated BGAN satellite service
- Overhead
- Out of Office

Week 42

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Tested libjxl compressing representative images supplied by NOAA
 - Great results (700kB $\Rightarrow$ 6kB without visible artifacts)
 - Porting libjxl to a small ARM processor is going to be a challenge
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Investigating how to limit sampling durations during upcoming sampler bakeoff at MBA.
- 901913 - Wet Wifi
 - Had to return modems due to a loose transducer
 - Should receive replacements before the 22nd for integration onto miniROV
 - miniROV broadcast traffic is saturating the acoustic link
 - Exploring ways the Alana on how to limit this traffic
 - Found Linux based Wago PLC100 controller that can filter this traffic
 - However, no time to incorporate this for the Oct 28th test deployment.
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 41

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 40

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Steph accepted rewrite of the procedure for calibration of the 2G ESP Elevator
 - UW also tested improved 2G carousel calibration code
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Continuing to work with Chris Preston to improve 3G cartridge testing and error recovery
- 901913 - Wet Wifi
 - Johann Voiglander is constructing cables to deploy wetWiFi on miniROV (10/24)
 - Fred Flores tasked with making bracketry
 - OceanComm says they will ship the update modems back to us this week
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 39

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Wrote greatly simplified ESP 2G Elevator calibration procedure
 - Improved 2G's automatic carousel calibration utility
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center

- Updating all 3G ESPs firmware to correct a minor bug discovered just before I left for Japan
 - Investigating Preson's proposed software changes for 3G ESPs.
- 901913 - Wet Wifi
 - Working with MiniROV team to integrate a WetWiFi modem onto that platform
 - Shipped our H150 modems back to OceanComm so one of them could be repackaged in a 1km depth rated housing.
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - Running really well. Recovering scheduled for first week of October.
- Overhead
- Out of Office

Week 38

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Reworking/documenting 2G ESP Elevator calibration procedure
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
 - Arranged to repackage one of our H150 OceanComm's modems in 1km rated canister
 - For deployment on next month's MiniROV dives with Mola
 - Also will receive a pair of 1km range 50kb/sec modems to evaluate
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 37

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Improving documentation of Elevator calibration
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Helping to prepare 3G ESPs for Canon
- 901913 - Wet Wifi
 - Incorporating MT feedback
- DQ2232 - APL/NANOOS JdF

- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 36

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Investigating improved JPEG-XL image compression as a means of reducing satcoms costs in Iridium deployments
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Working with Nadia to understand why sampling pump pressure sensor is sometimes failing to tare
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
- Just returned from 2mos vacation in Japan

Week 35

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 34

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW

- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 33

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 32

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 31

- 706005 - eDNA Grass Carp Sandusky

- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 30

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 29

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 28

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 27

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 26

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

- June 20 - June 31 (gunkholing in the Sacramento Delta)
- July 1 - Aug 31 (Vacation in Japan)

Week 25

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 24

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Participated on call discussing how to add Iridium Next Satcomms capability to UW ESP moorings
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - One of the ESP 2Gs locked up with I2C bus failure, requiring a restart
 - Haven't seen this failure mode since last major firmware update
 - Waiting for final hardware to test skimmer on ESPhonu bound for Great Lakes
 - Pressure sensors on Denmark ESPs drifted
 - Pushed out a one-liner sed script to allow taring despite the large bias drift.
- 901913 - Wet Wifi
 - Working on 2025 proposal
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - Comms and ESP working perfectly. Boring.
 - High temps (>42C) in can are a cause for concern.
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 23

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Ongoing support
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - With Scott's help on-site, restated one of the ESP's in Ohio
 - Added support for a secondary "skimmer" external sampler
 - Including pressure monitoring and recovery from head pressure loss
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 22

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 21

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi

- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 20

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 19

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 18

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW

- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 17

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 16

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Configuring a new Linux laptop for Steph's lab at NWFSC
- 771131 - Great Lakes PCM/HAB
 - Working with team to spec out the dual depth sampling scheme for this summer
- 901205 - ESP SURF Center
 - Shipped WiFi dongles to GLERL (since they can't seem to order the correct parts)
 - Helping Nadia debug hardware issues on the new 3G (re-)builds
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - BGAN sat comms works great (so far 😊)
 - Supporting Jensen and Yamahara on two unscheduled service calls to the McCloud river

- Overhead
 - Configuring new Framework laptop
- Out of Office
 - June 20 - June 31 (gunkholing in the Sacramento Delta)
 - July 1 - Aug 31 (Vacation in Japan)

Week 15

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Wrote scripts to mount NFS filesystems only when on the MBARI network.
 - No longer need to alter /etc/fstab depending on where the ESP is deployed
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - Ordered replacement for BGAN terminal accidentally fried by power wire slipping out of its screw terminal.
 - Helped Scott configure the new terminal for 2nd try at installation on site tomorrow.
- Overhead
- Out of Office

Week 14

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 13

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net

- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 12

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Helping Nadia find source of pump pressure spikes
- 901913 - Wet Wifi
 - Replaced and updated routers on Waveglider and in deckbox
 - Tank testing revealed latent networking bug on Galane (DHCP server being switched off)
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - Gave up on reusing our Iridium Satphones for comms
 - After discovering our "Free" incoming calls service does not handle data calls, only voice.
 - Purchased a BGAN terminal (Explorer 540) off ebay.
 - Chose a service provider that wasn't too overpriced (only \$4/MB)
 - Worked hard to eliminate all unnecessary network traffic from expensive BGAN link.
 - Cached DNS aggressively
 - Tuned NTPd to update max of once every 30min
 - Ensured that Real-Time is set before Wireguard VPN connection attempted
 - Patch WireGuard kernel module to reduce its idle traffic >50%
- Overhead
- Out of Office

Week 11

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB

- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 10

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 9

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
 - Provided cell service for Dock Test
 - Consulted with Scott Jensen on serial port options and Linux port naming
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Implemented slow startup of 3G's sampling pump to avoid stalls due to stiction
 - Split config file into multiple so 3Gs don't need to read 2G config items
 - Fixed long-standing bug in 2G "long" mission skeleton
- 901913 - Wet Wifi
 - Upgraded modems should arrive Thursday.
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
 - Purchased Pivotal's Iridium service with free incoming calls & installed rooftop antenna, only to discover that Pivotal's service was voice only, no data (despite their claims to the contrary)
 - Ordered "open box" IP66 rated BGAN terminal – much faster than Iridium at similar cost

- Overhead
- Out of Office

Week 8

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 7

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 6

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 5

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Discussed pump and flow meter test procedure ideas with Stephanie Moore
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Continuing to help Nadia bring up the redesigned ESPkoa
 - Prepared replacement ESPchris CPU board for shipment to Greg Doucette's lab
 - Packaged and Documented new ESP 2G MSP430 firmware programming dongle
 - Found and fixed a long-standing bug in the ESP Linux networking scripts
- 901913 - Wet Wifi
 - OceanComms reports they will ship updated modems in a couple weeks
 - Met with LRAUV and Wavegliders teams to plan for deployment in mid-March
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 4

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
 - Recieved SIM cards for evaluating NB-IOT cell service
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
 - Contributing to ESP deployment manual
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Helping Nadia calibrate rebuilt ESPkoa
 - Replaced CPU on ESPbruce with current hardware revision
 - Moved ESPshore to server room to avoid service cut during recabling Bld A
- 901913 - Wet Wifi
 - Verified that OceanComms modems revised end caps can be mounted in LRAUV and Waveglider
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 3

- 706005 - eDNA Grass Carp Sandusky

- 706008 - READI-Net
 - Met with dev team to discuss radio communications approaches
 - Will investigate NB-IOT and making 2nd USB host port available
 - Wrote kernel module to allow interrupting USB host power to reset (hung) devices
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Found and fixed long standing bug in handling brief losses of Ethernet carrier
 - Helped WHOI diagnose Ethernet hardware problem with one of their ESP carrier boards
 - Worked with Preston to understand desired changes in cartridge locking behavior for new carts
 - E-Waste bound iMac became the new “bufflehead” ESP lab server.
- 901913 - Wet Wifi
 - Working with OceanComm to refine can design to accommodate depth sensor on cap
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 2

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
 - Ordered Rock S 0 as possible alternative to Rock PI-S board
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
 - Working with WHOI to fix a long-standing bug in ESP Ethernet cable Plug/Unplug event handling
 - Rewrote daemon to greatly simplify it. Seems to work. Testing continues...
- 901913 - Wet Wifi
 - Shipped Modems back to Oceancomm for upgrade
 - Helped LRAUV team access their AUV dock
 - Loaned them an OpenWRT router I'd configured with the needed port forwarding rules
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office

Week 1

- 706005 - eDNA Grass Carp Sandusky
- 706008 - READI-Net
- 708143 - ECOHAB
- 708165 - NOAA-MERHAB-UW
- 771131 - Great Lakes PCM/HAB
- 901205 - ESP SURF Center
- 901913 - Wet Wifi
- DQ2232 - APL/NANOOS JdF
- DQ2320 - McCloud River Salmon
- Overhead
- Out of Office