Scott Jensen

Week 30

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 29

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 28

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine

- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 27

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 26

- 901205 - ESP SURF Center
    - Support of Bozeman instrument field testing
- 901405 - Wave-Energy Conversion for Oceanographic Application
    - Helped check out of HDS Harbor battery
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Oversee the build of the WEC - Dock interface bottle
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 25

- 901205 - ESP SURF Center
    - The linux computer for FIDO is having disk problems. The cause is not completely clear.
    - Reducing log writing is the first line of offense.
    - The mechanism seems to be running well

        - Latest update was installed and has been proving out well
- 901405 - Wave-Energy Conversion for Oceanographic Application
    - Representative from HDS and UofW APL are onsite for battery testing
    - A few issues and concerns have been found
    - Future discussions will be around resolution
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Supporting build of WEC dock bottle
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 24

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 23

- 901205 - ESP SURF Center
    - Delivery of instruments has unearthed many little details and most of them have been addressed.
    - Fieldwork support is commencing but time pressure is limited
- 901405 - Wave-Energy Conversion for Oceanographic Application
    - Supporting HDS battery bring-up
    - Lots of features and trying to understand and check out their function
    - Slow start seems to be the biggest issue as they assume a nearly pure capacitive load.
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development

        - Support documentation and fabrication of the WEC version of the dock
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 22

- 901205 - ESP SURF Center
    - Back from vacation and deep in the issues
    - Pump controller version 4 seems to work ok but due to a user setting it was faulting.
    - A patch has been implemented to increase some of the pump controller limits to allow more room to operate.
    - Fido-010 in Wisconsin is having an issue with its Force Sensing Resistor (fsr). The preload value seems to have dropped.
    - The fsr issue uncovered a weakness in the calibrate routine that needs to be fixed.
- 901405 - Wave-Energy Conversion for Oceanographic Application
    - HDS battery has received
    - Catching up on the development process of the AUV dock
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 21

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza

- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - May 11-24 (vacation)
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 20

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - May 11-24 (vacation)
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 19

- 901205 - ESP SURF Center
    - Preparing instrument for shipment
    - Monitoring Bozeman progress and support
    - Finally have knocked down all the vacuum issues, from debris in the valve to the failing pump. Hoping now true progress to use cases can begin.
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Continued work identifying parts and transfer to EEtech
    - Purchasing parts
    - Defined custom PCB function and parts
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - May 11-24 (vacation)
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 18

- 901205 - ESP SURF Center
    - Ran into a number “bugs” with FIDO that needed some attention
    - One was a logic bug that left the instrument in a loop that required manual control to break
    - Another was a leaking intake value which turns out it had a foreign object inside.
    - A mysterious vacuum leak was traced to a stick slip problem with the puck lid. A solution was devised for that as well.
    - Finally a method to program new firmware was implemented and tested
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Much work and discussion with the group about the “new” subsea bottle electronics and a desire to support autonomous recharging.
    - After much searching for COTS parts to support this autonomy a solution was reached
    - Now selling the idea and detailing out the concept of operation.
    - Reached consensus it was a reasonable path forward
    - Starting to test prospective parts
    - Beginning to pull together schematic for fabrication and for housing layout design.
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - May 11-24 (vacation)
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 17

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office

    - May 11-24 (vacation)
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 16

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - May 11-24 (vacation)
    - June 26-July 7 (vacation)
    - July 15 - 21 (vacation)

Week 15

- 901205 - ESP SURF Center
    - Installed FIDO-Marina (002) on Brazilian Research vessel
    - Assisted with installation of ESP-Koa on Tupan UASV
    - Returned home from Brazil
    - Supported delivery and commissioning of first USGS FIDO instrument
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 14

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development

- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-April 2
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 13

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-April 2
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 12

- 901205 - ESP SURF Center
    - Finishing preparations and logistics for Brazil deployment
- 901405 - Wave-Energy Conversion for Oceanographic Application
    - Reassembled bench system with new torque sensor
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Worked on configuration of power supplies
    - Locating candidates for power
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office

        - March 23-April 2
        - May 11-24 (vacation)
        - June 29-July 7 (vacation)
        -

Week 11

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 10

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 9

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development

- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 8

- 901205 - ESP SURF Center
    - Code clean up due to many legacy files still remaining
    - Testing of mechanism in hot and cold
    - Vacuum pump leak and adding a valve to deal with
    - Packing and preparations for Brazil
    - Support of preparation for Brazil
- 901405 - Wave-Energy Conversion for Oceanographic Application
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Trying to settle upon a EMC cable for the WEC to Dock
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 7

- 901205 - ESP SURF Center
    - Instrument check outs for Brazil deployment
    - Ran instrument cold
- 901405 - Wave-Energy Conversion for Oceanographic Applications
    - Preparation for onsite visit to DolphonLabs
    - Onsite visit to DolphinLabs
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Small amount of time helping with specifying communications EMC cable

- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
    - Preparations for LARS load pin time response test
- Out of Office
    - March 23-31 (estimate)
    - May 11-24 (vacation)
    - June 29-July 7 (vacation)
    -

Week 6

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)

Week 5

- 901205 - ESP SURF Center
    - Supporting work for upcoming ASV deployments
- 901405 - Wave-Energy Conversion for Oceanographic Applications
    - Helping set up calibration routines for the 6 new boards sets.
    - Overseeing HDS battery fabrication
    - Preparing lab set up for the arrival of the HDS battery
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Meetings about surface to seafloor communications
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)

Week 4

- 901205 - ESP SURF Center
    - Finalized puck potting protocol
    - Transferred potting task to The Rosal Group
    - Supporting design of the rebuild of the USV platform interface
    -
- 901405 - Wave-Energy Conversion for Oceanographic Applications
    - Search for powerline technologies
    - Located G.Hn which looks like a strong contender
    - Preparing for Dolphin visit.
    -
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)

Week 3

- 901205 - ESP SURF Center
    - Preparations for Rio. Dug up previous configuration drawings and began working to implement the configuration for the Tupan
    - Year planning around deployments and installations throughout the year
- 901405 - Wave-Energy Conversion for Oceanographic Applications
    - Beginning build up of test bench power electronics
    - Support of Battery build
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
    - Project planning meetings for the year
    - Investigated options for copper solutions between surface and floor
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
    - March 23-31 (estimate)

Week 2

- 901205 - ESP SURF Center
- 901405 - Wave-Energy Conversion for Oceanographic Applications
    - Our Laser range finder still seems to be failing and the mode or means is eluding the team
- 902101 - LRAUV Technology Development
- 902106 - Niobicon-Based AUV Docking Development
- DQ2435 - GLERL AK
- DQ2517 - ONR Middleware
- DQ2523 - Avian Influenza
- DQ2533 - UW Tidal Turbine
- Overhead
    - Catching up on where I left off
- Out of Office
    - March 23-31 (estimate)