

300083 - DMO Support - LRAUV

Week 51

1. Carlos Rueda
 - a. Some TethysDash work (see below) charged here (thanks Erik).

Week 48

1. Denis Klimov
 - a. Upgrading another PAR sensor to amplified configuration

Week 47

1. Brian Kieft
 - a. On call for MBTS deployment

Week 46

1. Denis Klimov
 - a. Upgrading 2 PAR sensors

Week 44

1. Ed Mellinger
 - a. Tracked down Analog LCB configuration drawing (that it turned out Denis had already tracked down), for PAR-Preamp. Will work on formalizing this doc (which has been left hanging a couple of times) so it is readily accessible in future.

Week 43

1. Brian Kieft
 - a. See CANON

Week 42

1. Brian Kieft
 - a. Assisting CANON operations

Week 36

1. Thom Maughan
 - a. Buffered serial driver, extending to 7 UARTS

Week 34

1. Denis Klimov
 - a. Performed analysis on LRAUV flasher LED replacement. Looks like lime LED would be more visible to human eye even with reduction in LED quantity from 6 to 4

Week 30

1. Brian Kieft
 - a. CANON

Week 24

1. Thom Maughan
 - a. Resolved a PO issue for payment to Indtec for work done in April

Week 23

1. Carlos Rueda
 - a. Enhancements to deployments overview page, including a permalink feature ([example](#)).

Week 22

1. Carlos Rueda
 - a. Started work on a [deployment overview](#) feature for the Dash as proposed by Erik. Initial prototype at <https://oceanids.mbari.org/dash3yz/#/-/Reports>

Week 21

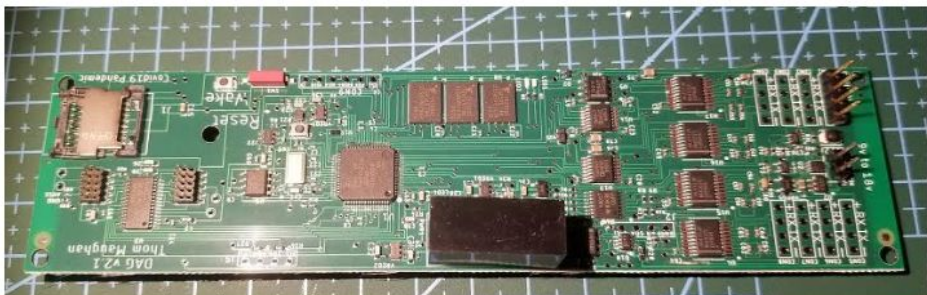
1. Thom Maughan
 - a. Sent out DAg design review slides to get feedback, updating to address feedback

Week 19

1. Thom Maughan
 - a. Little progress on DAg due to other projects

Week 18

1. Thom Maughan
 - a. DAg hardware bringup is moving along. Worked around the missing 0.1 ohm resistor for now.
 - b. Working thru pin muxing. Was hoping to get board bringup done then move onto other projects



Week 17

1. Thom Maughan
 - a. DAg is at Indtec getting assembled, pickup planned on Friday.
 - b. Working on review materials.
 - c. Expense report

Week 16

1. Denis Klimov
 - a. Reviewing new conceptual battery pack design (with Daniel Gomez-Ibanez and Erik Trauschke)
2. Thom Maughan
 - a. Pcb fab is complete, boards received. , Dropped parts, pcb and stencil to Indtec
 - b. Worked on design review slides, had phone call with proj mgr

Week 15

1. Thom Maughan
 - a. Debug and setup of MFET board, made power consumption measurements.
 - b. Finished the design and layout.
 - c. Sent out for pcb quote
 - d. Parts BOM
 - e. Design Review slides

Week 14

1. Thom Maughan
 - a. Prepared pcb fab package for 'DAg', the data aggregator, and during that process found a problem with the hibernate circuitry. Have now addressed that issue and am working on updated layout and fab package.

Week 13

1. Thom Maughan
 - a. This has been my primary focus. Design and layout are nearing completion (added some additional features to make the design useful for MFET testing). Last task is the hibernate / power control circuit.

Week 12

1. Thom Maughan
 - a. Working on hardware design, goal is to send the board out next week.

Week 11

1. Carlos Rueda
 - a. Assistance to Erik re the Dash "synchronization" operation to reflect updates in the config and mission repositories.

Week 10

1. Thom Maughan
 - a. Small progress on hardware
2. Ben Raanan
 - a. Daphne MBTS run
 - b. Pontus Biolum diamond run

Week 9

1. Thom Maughan
 - a. NTR

Week 8

1. Thom Maughan
 - a. Small progress on the hardware design

Week 7

1. Denis Klimov
 - a. Reviewing requirements for joint WHOI-MBARI battery pack development (with Daniel Gomez-Ibanez and Erik Trauschke)
2. Thom Maughan
 - a. Hardware design has 5 uarts with one multiplexed to 4 for a total of 8 uarts. Working on design/layout.

Week 6

1. Denis Klimov
 - a. Reviewing requirements for next generation battery pack
2. Thom Maughan
 - a. Power Savings concept for instrument servicing on LRAUV. Selected a 6 serial port ARM processor for the proof of concept that has a code base and tool chain I've used before.
3. Ed Mellinger
 - a. Reviewed WHOI plan for revised battery system; email and in-person discussions with Erik and Denis
 - b. Reviewed checkout rig for Load Control Board, preparations for running test scripts

Week 5

1. Brian Kieft
 - a. Prepared LRAUV daphne for mbts run. Mission debugging and vehicle prep