

901206 - Coastal Profiling Float

Week 51

1. Eric Martin
 - a. Setting up home tests for console code cleanup
 - b. Exploring replacement microprosser ST Nucleo board

Week 50

1. Eric Martin
 - a. Setup calibration for CPF003's DuraFET
 - b. Finished production checkout on CPF002
 - c. Reviewing Sysprog contracting options

Week 49

1. Eric Martin
 - a. Cal program certified, qualifying CPF unit 2 for hydraulic buildout

Week 48

1. Eric Martin
 - a. Calibration software tuned and working for ISUS and DuraFET

Week 47

1. Eric Martin
 - a. Calibration tools ready

Week 46

1. Eric Martin
 - a. Bringing up the SN002
 - b. Writing calibration mode program

Week 44

1. Eric Martin
 - a. Running test profiles to polish out science files getting generated
 - b. Bringing up hardware on the second gen 3 build.
2. Ed Mellinger
 - a. Looking at possible custom battery pack vendors

Week 43

1. Eric Martin
 - a. Troubleshooting a repetetive SD card corruption issue.

Week 41

1. Eric Martin

- a. Identifying next steps after tank tests were successful.

Week 40

1. Eric Martin
 - a. Bug fixes are queued after successful profiles
 - b. Met with Gene to discuss next steps.

Week 39

1. Ed Mellinger
 - a. Troubleshooting zapped LHE board, main power bus overvolt (?)
 - b. Evaluating system ground architecture

Week 38

1. Eric Martin
 - a. CPF bug squashing underway
 - b. First tank profile completed

Week 37

1. Eric Martin
 - a. Prepping for tank testing.

Week 35

1. Eric Martin
 - a. Calibrated bellows on the buoyancy engine

Week 28

1. Eric Martin
 - a. Oil tested on new pump arrangement
 - b. Developed test tools for automation from the lab computer.

Week 26

1. Eric Martin
 - a. Filling with oil this week.

Week 24

1. Eric Martin
 - a. Deck tests complete, no issues, filling with oil soon.

Week 23

1. Eric Martin
 - a. Brought system back online, still in excellent condition, and the shutdown presented an excellent test of the battery pack discharge while disabled.
 - b. Preparing for the final prefill tests on friday.

Week 22

1. Eric Martin
 - a. ZMODEM Transfer reliability testing on new server.

Week 21

1. Eric Martin
 - a. Reviewed lab plan
 - b. Went to MBARI last week to get hardware to test new code against here in the garage.

Week 20

1. Eric Martin
 - a. Server testing
 - b. Calibration software

Week 19

1. Eric Martin
 - a. Server features expansion, database components

Week 18

1. Eric Martin
 - a. Server Effort

Week 17

1. Eric Martin
 - a. Testing the new server, adding more features.

Week 16

1. Eric Martin
 - a. Server testing

Week 14

1. Eric Martin
 - a. Shoreside server effort continues

Week 13

1. Eric Martin
 - a. Developing Float Server Service Daemon

Week 12

1. Eric Martin
 - a. Finished transition of info to Gene.
 - b. Writing calibration software for MBARI MSC

Week 11

1. Eric Martin

- a. Closing up SN03, ready for tank

Week 10

- 1. Eric Martin
 - a. Bringing a new system online.

Week 9

- 1. Eric Martin
 - a. Met with Gene, building up battery packs with Ed.

Week 7

- 1. Eric Martin
 - a. Waiting on hardware and PCBs to continue final integration.

Week 6

- 1. Eric Martin
 - a. Battery audit
 - b. Battery pack builds
- 2. Ed Mellinger
 - a. Assisted Eric with battery checkout; fixed an error regarding noise pickup on Wake/Sleep lines from endcap reed switches. Updating docs and will re-release schematics.

Week 5

- 1. Eric Martin
 - a. Conducting the battery audit and final batter pack assembly.