

701147 - MARS O&M IV

Week 50

1. Paul McGill
 - a. Finalized design for Serial Splitter board. Fab is next.

Week 49

1. Paul McGill
 - a. Had remote meeting with UW to discuss new PCB bring-up and mechanical design

Week 46

1. Paul McGill
 - a. Had another meeting with UW ME to work on layout of internal chassis
 - b. Troubleshooting ground-fault issues on Mini Node
 - c. Still working with Duane T on serial port splitter

Week 45

1. Paul McGill
 - a. Held another Zoom meeting with ME at UW to work out details of internal chassis design
 - b. Trying to figure out how to mount Meinberg N2X box with tabs instead of DIN rail
 - c. Spent some time playing with Meinberg M600 PTP clock to understand its operation

Week 44

1. Paul McGill
 - a. Participated (via telepresence) in Thu's dive to recover main node
 - b. Trying to figure out how to set up Meinberg PTP timing hardware

Week 43

1. Paul McGill
 - a. Supported deployment of MARS mini-node on Tue until the dive was aborted

Week 42

1. Paul McGill
 - a. Did calculations to modify HV power supply controls for reduced voltage
 - b. Working on budget reallocation to fund UW's supplement request
 - c. Worked on serial splitter design

Week 41

1. Paul McGill
 - a. Did extensive search for 4PDT relays for serial splitter board

Week 40

1. Paul McGill

- a. Had two Zoom meetings with UW team to settle technical issues
- b. Finally got serial splitter to work, but we may go with relay switching instead

Week 39

- 1. Paul McGill
 - a. Tested serial port splitter so we have two ways to control each module in system. There are problems with it which I'm trying to solve.
 - b. Arranging for review of UW's design for LVPS chassis

Week 38

- 1. Paul McGill
 - a. Working on requirements docs for MARS LVPS
 - b. Working on NSF budget request for UW's subcontract

Week 37

- 1. Paul McGill
 - a. Reviewed all MARS LVPS schematics to look for errors
 - b. Held electrical design review with UW so they can get boards fabbed

Week 34

- 1. Paul McGill
 - a. Made corrections and additions to MARS MVPS requirements doc.
 - b. Reviewed all system design docs sent to us by UW

Week 33

- 1. Paul McGill
 - a. Working with Knute to get UW subaward refunded to make up for shortfall.
 - b. Called Kandy Binkley at NSF to keep her in the loop.

Week 32

- 1. Paul McGill
 - a. Worked on budget with Knute to get more money to UW subaward.

Week 30

- 1. Paul McGill
 - a. Met with MBARI management to discuss plan for financing UW cost overrun

Week 24

- 1. Paul McGill
 - a. Met with Knute, Danielle, Andy, and Kelly to prepare for Zoom meeting with Tim McGinnis at UW tomorrow about their funding supplement request.

Week 21

- 1. Paul McGill
 - a. Troubleshooting ground-fault issues on two instruments
 - b. Worked with Kevin G to get access to MARS data in SSDS

Week 14

1. Mike Risi
 - a. Meetings with Dave French to capture MARS operational procedures before his last day
 - b. Met with Duane Thompson to go over MVC environmental monitoring board

Week 3

1. Mike Risi
 - a. reviewed code for MARS MVC serial monitor