

701147.99 - MARS IV Node Upgrade

Week 51

1. Paul McGill
 - a. Met with UW team for update, working through final electrical issues

Week 48

1. Paul McGill
 - a. Reading Meinberg PTP clock manual so I can update the firmware—it's very confusing

Week 47

1. Paul McGill
 - a. Met with UW for progress report

Week 42

1. Paul McGill
 - a. Had monthly meeting with UW, progress is good

Week 39

1. Paul McGill
 - a. Helping Bryan with grounding and isolation in new MARS power and electronics housings

Week 34

1. Paul McGill
 - a. Reviewed new IPB board design with George S and UW engineers
 - b. Dealing with fallout of another funding request from UW

Week 31

1. Paul McGill
 - a. Reading docs for Meinberg precision clock so I can update firmware

Week 30

1. Paul McGill
 - a. Reviewed and approved project budget status reports

Week 27

1. Paul McGill
 - a. Reviewed new overcurrent protection circuit

Week 21

1. Paul McGill
 - a. Reviewed and approved new PO for UW contract

Week 17

1. Paul McGill
 - a. Working on annual NSF report submission—almost finished

Week 16

1. Paul McGill
 - a. Dealing with another budget supplement request from UW
 - b. Met with Knute to discuss design of MARS science cables, contacted Brock for a cable quote

Week 13

1. Paul McGill
 - a. Had meeting with UW and we decided to respin the power supply boards due to multiple issues

Week 12

1. Paul McGill
 - a. Working with UW to resolve issues with MARS power board overcurrent protection

Week 10

1. Paul McGill
 - a. Investigated bias resistors on floating power supply outputs, as what was done previously wasn't well-documented.
 - b. Bi-weekly meeting with UW to update on progress.

Week 9

1. Paul McGill
 - a. Dealing with no-cost extension for UW

Week 8

1. Paul McGill
 - a. Working with UW on various issues that have come up in testing of the boards for the new node.
 - b. Working on a new cable design to be the MARS standard for science instruments that need GigE Ethernet.

Week 3

1. Paul McGill
 - a. Got second serial splitter assembled and tested.

Week 2

1. Paul McGill
 - a. Had serial splitter board fabbed and tested all ports at full speed—it works. Getting a second board built.

Week 1

1. Paul McGill
 - a. Had Zoom meeting with UW to get progress update and to discuss possible power supply upgrade