

300062 - DMO Support - Doc Ricketts

Week 52

1. Mike Risi
 - a. Meeting with Quinn and Drew to discuss 2026 Ricketts support work.
 - b. Setting up pt_control simulation and test environment for developing presets.
 - c. Looking into extending the viewing system to include more camera control.

Week 50

1. Kevin Gomes
 - a. Data extraction and analysis for Ricketts dives
2. Mike Risi
 - a. Support of ROV deployments
 - b. Working with Ben B. on CTD pressure issue
 - c. Updated process for \$PMBANP to provide CTD data to SMD control system

Week 47

1. Mike Risi
 - a. Working on updates to provide CTD data to SMD diagnostics screen

Week 45

1. Mike Risi
 - a. Tested external control interface in harbor dive
 - b. Working with Drew on remote testing for ROV sea trials
 - c. Pan and tilt work for ROS remount and KPT swap with spare
 - d. Working with Drew on Copilot pan and tilt interface

Week 43

1. Mike Risi
 - a. Working on external control interface for November 6th testing at sea

Week 41

1. Kevin Gomes
 - a. Working on setup of Dive Log application

Week 38

1. Mike Risi
 - a. Miscellaneous navproc support of the current Ricketts test dive

Week 35

1. Mike Risi
 - a. Implemented several changes to SMD/MBARI protocol in conjunction with visiting SMD engineer.
 - b. Fixed bug with ROS pan and tilt position updates.
 - c. Worked on light boom configuration with pilots.

Week 32

1. Mike Risi
 - a. Coordinating with ROV pilots on testing advance nav interface on SMD visit next week
 - b. Working on proposed additions to MBARI/SMD protocol spec

Week 29

1. Mike Risi
 - a. Working on SMD specification debug util to help verify protocol spec
 - b. Working with Kevin to get ship attitude into navproc for LARS testing

Week 28

1. Mike Risi
 - a. Finished ROV and CTD winch interface during LARS test cruise on David Packard
 - b. Made some pan tan tilt changes during the cruise, waiting for light bar pan and tilts for final integration

Week 26

1. Mike Risi
 - a. Working on pan and tilt integration

Week 20

1. Mike Risi
 - a. Finished external control interface for testing

Week 19

1. Mike Risi

- a. Finishing up interface to test external control interface
- b. Preparing for May 19th SMD visit

Week 15

- 1. Mike Risi
 - a. Working on test software for external control interface in preparation for May SMD visit

Week 13

- 1. Justin Tucker
 - a. Finalize material, welding, and heat treatment plans for lifting bracket
 - b. Experimented with electrical conductivity measurements for heat treatment QC

Week 12

- 1. Justin Tucker
 - a. Follow up analysis on lifting bracket.
 - i. Weld and material specification along with final 3D FEA check

Week 11

- 1. Mike Risi
 - a. Meeting with SMD to review scope of work for May ROV integration

Week 10

- 1. Justin Tucker
 - a. Reanalysis of lifting bracket

Week 6

- 1. Justin Tucker
 - a. Lifting bracket weld analysis

Week 3

- 1. Justin Tucker
 - a. Structural analysis of IBC lifting bracket