

901904 - Deep-Sea Coral-Sponge Community Observatory

Week 52

1. Paul McGill
 - a. Edited Fanny's paper on the Coral Mega Camera

Week 51

1. Paul McGill
 - a. Read draft of latest octopus paper based on our Barry Macro Camera images

Week 48

1. Alana Sherman
 - a. End of year shopping

Week 46

1. Paul McGill
 - a. Deployed Coral Macro Cam on Sur Ridge from Carson on Thu
 - b. Working on method to focus lens remotely with servo on Raspberry Pi

Week 45

1. Paul McGill
 - a. Mobing for cruise to deploy Coral Macro Camera on Thu
2. Alana Sherman
 - a. Mob'd macro to go out Thursday, all seems ready

Week 44

1. Paul McGill
 - a. Reviewed images from most recent Macro camera deployment
2. Alana Sherman
 - a. The Macro was ready to go out last week but was weathered out. New deployment date is Nov 14.

Week 35

1. Alana Sherman
 - a. Macro camera recovered from octopus garden. I downloaded all the images off the camera and am learning how to batch process them in Matlab and photoshop

Week 34

1. Paul McGill
 - a. Got equipment mobilized so Coral Macro Camera can be recovered on Kakani's WF cruise.

Week 32

1. Alana Sherman
 - a. Offloaded images from DiSCO, worked great for a year- very active community

Week 31

1. Paul McGill
 - a. Processing data from recent recovery of Coral Camera Tripod.
 - b. Preparing for turnaround and redeployment of both coral cameras.

Week 28

1. Alana Sherman
 - a. I updated the procedure documentation for the Macro system and packed supplies for Flyer cruise, which was canceled. Hopefully the Macro camera will be recovered soon.

Week 20

1. Paul McGill
 - a. Am editing Fanny's paper.

Week 10

1. Paul McGill
 - a. Participated via telepresence in Barry dive on Davidson Seamount to deploy Coral Macro Camera in octopus nursery. Initial images are stunning and camera will stay there until July.
2. Alana Sherman
 - a. Provided shore support via telepresence for the deployment of the coral macro camera at octopus garden. It all went very smoothly and on a return trip three days later the camera was still working...now it only has to last 3 more months!

Week 9

1. Paul McGill
 - a. Worked w/Alana and Aaron S. to prepare Coral Macro Camera for deployment this week on Barry's Flyer cruise. It was working when the ship left.
2. Alana Sherman
 - a. Completed a rough mobilization of the Coral Macro camera which consumed most of my week. We had to reopen the camera housing, and the battery housing to work out all the issues.
 - b. Did extensive testing with the ROV using DeepSea Connect.
 - c. Updated Procedures document for Steve

Week 8

1. Paul McGill
 - a. Dealt with last-minute laser and power supply issues with Coral Macro Cam in prep for next week's deployment. Calibrated camera focus and targeting lasers in Test Tank.
2. Alana Sherman
 - a. Prepping Macro camera system with Canon for deployment in March. We had some drama with our new lens, and discovering that it moves each time power is applied but mostly worked out now.
 - b. Overnight tank test and setting the focus went well. Next to test is DeepSea Connect. After that I need to update procedures document.

Week 7

1. Paul McGill
 - a. Preparing Coral Macro Camera for deployment in two weeks.

Week 4

1. Alana Sherman
 - a. Reviewing pics for test from Canon week long bench test. So far looks good. Still some details on the internal clock battery that need addressing. Next up is to take some energy measurements to better inform our mission plan for March

Week 3

1. Paul McGill
 - a. Worked with Alana to get new Canon camera integrated into Coral Macro Camera system.

Week 2

1. Paul McGill
 - a. Worked with Alana to get camera and test equipment to her to work at home
2. Alana Sherman
 - a. Integrated Canon R6 in coral macro chassis. James made up some cables for me and I have just begun to test it out and initial results are promising. As of Tuesday I was running the camera in deployment and took 50 images over several hours. Next step is to look into low power modes and see how I can minimize energy consumption.

Week 1

1. Paul McGill
 - a. Worked with Alana to see if the new Canon R6 camera will fit into the Coral Macro Camera housing. We think it will but some mods will be required.
2. Alana Sherman
 - a. Trying to interface the Canon EOS R6