

902100 - Telepresence on MBARI Research Vessels

Week 51

1. Eric Martin
 - a. Purchasing spare components
 - b. designing rackmount system

Week 50

1. Eric Martin
 - a. Buying spare equipment
 - b. Mocking up UI rev 2
 - c. End of year summary

Week 49

1. Kevin Gomes
 - a. Working on Slack as an authentication mechanism. Firebase doesn't support Slack as a provider so not sure I will use Firebase, might use Slack directly.
2. Eric Martin
 - a. Meeting last thursday
 - b. Advancing microservices and api investigations for various control room components.

Week 48

1. Kevin Gomes
 - a. Starting work on VueJS based application (Auth through Slack, Zoom meeting and integration of Eric's services)

Week 46

1. Kevin Gomes
 - a. Small bug fixes for RabbitMQ data publishing from both ships
 - b. Ramping up on VueJS 3 for telepresence work.

Week 45

1. Kevin Gomes
 - a. Implemented a script that pulls all datamanager items, packages them up as compact JSON and publishes them to RabbitMQ every 2 minutes. Deployed on both ships to create data pathways for viewing the data in the telepresence web app.

Week 44

1. Kevin Gomes
 - a. Starting to work on script to extract data from Datamanager on ships and push back to shore so we can integrate data feeds into application.
2. Eric Martin
 - a. Supported 2 days of ops on the Rachel Carson

Week 43

1. Eric Martin
 - a. Supporting operations on the Carson with the Mini.

Week 42

1. Karen Salamy
 - a. Eric M. has reported issues with precruises that include telepresence not being forwarded to the MBARI telepresence email list. I asked IS to look into the issue from their side to first determine if there were any errors with the listserv. Pat Allen has ruled that out so I will begin a deep dive into the Precruise web form code to see if there is a bug in the code somewhere. This problem has been intermittent which makes finding the issue a little more difficult.

Week 41

1. Kevin Gomes
 - a. Went over items with Eric M to discuss ideas for a prototype.

Week 38

1. Eric Martin
 - a. Brian S and I tested running the annotation slackbot on shoreside server.
 - b. Support last week for Quest dives.
2. Karen Salamy
 - a. Changed the telepresence linkserv notification email link for Eric Martin. The old email link was not working for some reason.

Week 37

1. Eric Martin
 - a. Supporting Ken Smith and Brekke ventana dives this week.

Week 32

1. Eric Martin
 - a. Supporting operations for the Paull PNW cruise.

Week 29

1. Eric Martin
 - a. Support for Katija Expedition

Week 28

1. Kevin Gomes
 - a. Proposal input
 - b. Started to look at shipping data back to shore
2. Eric Martin
 - a. Proposal for 2022
 - b. Prep for Katija Expedition
 - c. Bringing Cindy Hanrahan on for administrative help.
 - d. Training Giovanna

Week 27

1. Eric Martin
 - a. Working with UCSC student Alison Crosby on the next round of interviews for her research.

Week 26

1. Eric Martin
 - a. Supporting testing and live show production
 - b. Telepresence on the Barry expedition this week as well.

Week 25

1. Eric Martin
 - a. Telepresence support for Robison last week, Smith this week.
 - b. Test for Sur Ridge Live, they are using the telepresence equipment.

Week 24

1. Eric Martin
 - a. Supporting telepresence on WF for Bruce Robison.
 - b. Sur Ridge Live prep and coordination.

Week 23

1. Kevin Gomes
 - a. Looking over messages options to get data into pipeline back to shore.
 - b. Looking at WebEx SDKs

Week 21

1. Eric Martin
 - a. Supporting Katija expedition on the Rachel Carson
 - b. Haddock expedition setup.

Week 20

1. Eric Martin
 - a. Update with Mike Kelly last monday
 - b. Supporting Katija expedition on the RC
 - c. Writing next survey for annotation needs
2. Karen Salamy
 - a. Some linkserver questions for IS

Week 19

1. Kevin Gomes
 - a. Investigating WebEx JavaScript SDK for client web app integration

Week 18

1. Kevin Gomes
 - a. Picking up VueJS work again, looking at authentication and components
2. Eric Martin
 - a. Supported operations on the Flyer and Carson.

Week 16

1. Eric Martin
 - a. Training with Jenny for next week's Caress Expedition on the Flyer

Week 15

1. Eric Martin
 - a. Sur Ridge Live Show meetings

Week 14

1. Eric Martin
 - a. Presentation at SOVA
 - b. Sat in for initial meeting with production company for June live event.

Week 13

1. Kevin Gomes
 - a. Light prototyping for telepresence data to shore methods
2. Eric Martin
 - a. Meeting last week
 - b. Starting front end design
 - c. Reaching out to the Video Lab for annotation needs.

Week 12

1. Eric Martin
 - a. Supports Katija and Barry cruises on the Rachel Carson and Western Flyer concurrently.

Week 11

1. Kevin Gomes
 - a. Since I was working remotely on the Carson, I jumped on the telepresence stuff to test it out and to help get a sense for when kind of web app would be useful.
2. Eric Martin
 - a. Prep for Barry and Katija expeditions, trying a new audio scheme for the MiniROV work.

Week 10

1. Kevin Gomes
 - a. Started to compile requirements in Google doc from documents reviewed to date.
2. Eric Martin
 - a. Supporting Smith operations offshore.
 - b. Prep for Katija and Barry expeditions next week.
3. Karen Salamy
 - a. Attended first telepresence team ZOOM meeting this past week.

Week 9

1. Eric Martin
 - a. Reviewing results of initial user survey, some very interesting responses.
 - b. Telepresence operations are returning. Supporting Smith March 8-9, and the Barry expedition on the WF.

Week 8

1. Eric Martin
 - a. Attended Leila's first pass review meeting of the user survey, she'll be presenting more results to the entire group this thursday.

Week 7

1. Eric Martin
 - a. Waiting for the results of the user study.

Week 6

1. Eric Martin
 - a. Helping Leila whip survey participants, she's almost through the first round of 12.
 - b. Review VARs mods
 - c. Passing on materials to Kevin, Karen, and Rich
 - d. Board Bullets

Week 5

1. Kevin Gomes
 - a. Read over all materials to get caught up since I've been working on other stuff.
2. Eric Martin
 - a. Getting Karen setup on the project.
 - b. Supporting Leila Takayama as the Telepresence User Study gets underway.
 - c. Tested gear on the RC after the pilots moved it in the racks.
3. Brian Schlining
 - a. Thinking through ways to handle multi-user remote annotations. (See strawman [1](#) and [2](#))

Week 4

1. Eric Martin
 - a. Participated in remote manipulator arm tests with a lab in Munich, Germany for Leila Takayama.
 - b. Leila and I have solicited for the first round of interviews for the telepresence user survey.
 - c. Compiling system information for Kevin and Rich.
 - d. Annual report contributions.

Week 3

1. Eric Martin
 - a. Held kickoff meeting, moving forward we are focused on the user survey.
 - b. Compiled a list of past participants for the survey.
 - c. Investigating Slack export data from telepresence channels as a data product.

Week 2

1. Eric Martin
 - a. Project prep
 - b. Working with Leila Takayama on the user survey
 - i. Assembling a list of participants
 - ii. Reviewing interview questions

Week 1

1. Eric Martin
 - a. Scheduled kickoff meeting for next week.
 - b. Project management setup