

901513 - Targeted Sampling by AUVs

Week 51

1. Brian Kieft
 - a. Supporting Yanwu's testing with frequent vehicle updates.
2. Carlos Rueda
 - a. Looking into determining an appropriate reorganization of the tracking software toward incorporating the new patch tracking algorithm in a way that leverages all the common supporting functionality.
 - b. Meeting with Tim P., Terry W. (Saab) tomorrow to discuss their TethysDash setup.

Week 50

1. Brian Kieft
 - a. Worked with Yanwu on testing

Week 49

1. Brian Kieft
 - a. Deployed ahi for planktivore adaptive sampling testing which was successful.

Week 48

1. Carlos Rueda
 - a. Discussion with Yanwu toward incorporating patch tracking into the python framework we have used for front tracking. Reviewing/updating the code in preparation for that.

Week 47

1. Brian Kieft
 - a. Paper reviewed and edits submitted
 - b. Reviewing and testing new peak detect for backseat variables
 - c. Assisted with fixing build issue

Week 46

1. Paul Roberts
 - a. Paper support

Week 45

1. Paul Roberts
 - a. Figures and text for JFR submission

Week 42

1. Carlos Rueda
 - a. Met with Yanwu about tentative planning to implement patch tracking for the wave glider.

Week 41

1. Brian Kieft
 - a. Looking into acomms issues during preCANON trials involving coordinated ops and terminate mission flag for CANON sampler. DATMMP seems to be missing incoming data though depths were quite shallow from the vehicle sending.
 - b. Troubleshoot issue with nan values for ESP sample volume and sample number. Values are being requested after component is powered off.

Week 40

1. Brian Kieft
 - a. Working through some data issues with Yanwu

Week 39

1. Brian Kieft
 - a. Worked with Yanwu to test missions for CANON

Week 35

1. Brian Kieft
 - a. Issues with Ahi responding to acomms mission terminate from Daphne. Initial tests worked well the other direction. Investigating.

Week 30

1. Brian Kieft
 - a. Investigating vertical mode toggling

Week 19

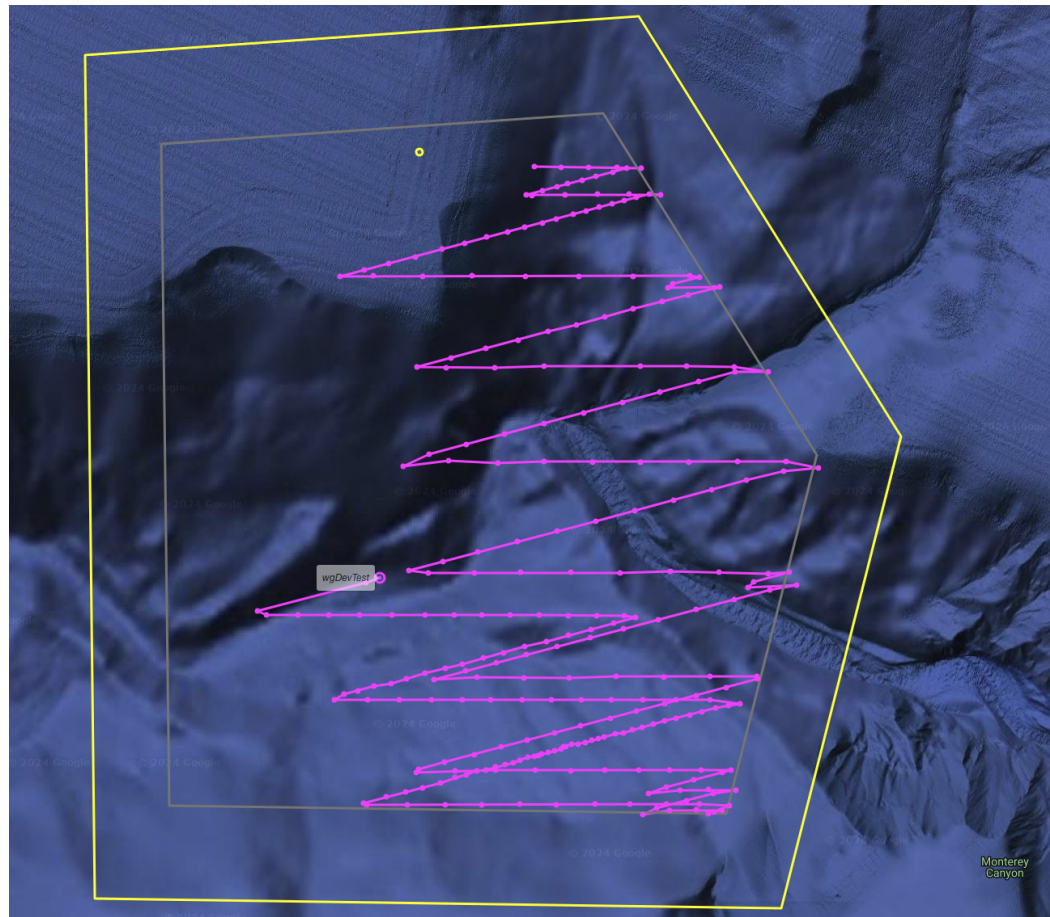
1. Brian Kieft
 - a. Worked with Yanwu on missions for current science deployment

Week 11

1. Brian Kieft
 - a. Worked with Yanwu to tune buoyancy a bit for the next test at sea.

Week 10

1. Brian Kieft
 - a. Working on PAM changes with Yanwu to get higher precision buoyancy control
2. Carlos Rueda
 - a. A super successful thermal front tracking exercise using a wave glider ([wgDevTest](#)) has been carried out, with complete autonomy start to end, and lasting more than a full day —still ongoing at time of writing— and without suffering any impact upon the internet outages that happened yesterday. Many thanks to Chris W. and Tom O. for your help.



b.

Week 9

1. Carlos Rueda
 - a. Preparations and testing for a new tracking exercise (deployment postponed to next week)

Week 6

1. Brian Kieft
 - a. Troubleshoot gazebo sim internal with Yanwu. Fixed nvidia driver issues.
 - b. Lab tested gain change for buoyancy inner PID P term for more aggressive buoyancy control during PAM missions. Will sea trial today.

Week 4

1. Brian Kieft
 - a. Investigated a couple issues with PAM mission with Yanwu
 - b. Supported weekend testing of PAM missions

Week 3

1. Brian Kieft
 - a. Assisted with sim debug