

901910 - Plankton Taxonomic Groups from AUVs

Week 52

1. Mike McCann
 - a. Adding processing of raw biolume data to auv-python
 - b. Exploring biolume data with datashader/bokeh in Jupyter Notebooks

Week 50

1. Mike McCann
 - a. Reloaded [stoqs_mb_diamonds](#) with ecopuck data, spent some time comparing with hs2
 - b. Reviewing Monique's proxy computation code to plan for incorporation into auv-python

Week 49

1. Mike McCann
 - a. Writing Dorado science data processing for the ecopuck instrument

Week 48

1. Mike McCann
 - a. Reprocessed Dorado diamond survey data with correct sensor offsets for pitch correction
 - b. Loading a parallel stoqs_mb_diamonds_t database to evaluate improvement in section plots

Week 46

1. Mike McCann
 - a. Fine-tuned loading of [stoqs_mb_diamonds](#) based on title metadata
 - b. Per Rob's request added seabird25p_beam_transmittance processing to i2map pipeline
 - c. Took measurements of nose cone sensor offsets from tail cone pressure sensor and will be adding them to the processing to see how that improves quality

Week 45

1. Mike McCann
 - a. Transferred Matlab Dorado Science Data Processing comment to auv-python and seeing that this metadata is written to the netCDF files and is presented in the STOQS UI
 - b. Examining geometric depth correction due to pitch and its effect on our salinity section plots
 - c. Testing auv-python reprocessing of archive with

Week 44

1. Mike McCann
 - a. Added QC metadata notes for all Diamon missions
 - b. Using that metadata to load stoqs_mb_diamonds database

Week 43

1. Mike McCann
 - a. Good news: Can reprocess entire Dorado archive in a weekend with auv-python

- b. Not so good news: There are several *ad hoc* Matlab code QC fixes I need to generalize
- c. I now have a long TODO list now following meeting with Monique

Week 42

- 1. Mike McCann
 - a. Fixed more qc issues and now processing Dorado missions from 2017 using auv-python
 - b. Will be meeting with Monique on Thursday

Week 41

- 1. Mike McCann
 - a. In year 2010 with the reprocessing of Dorado data archive with the auv-python software
 - b. Finding more unique Dorado log data problems that require more QC steps in auv-python
 - c. Comparing auv-python generated data against Matlab processed data in `stoqs_auv_compare`

Week 40

- 1. Mike McCann
 - a. Migrating LOPC processing into auv-python
 - b. Comparing Dorado legacy processing with auv-python processing in [stoqs_auv_compare](#)

Week 39

- 1. Mike McCann
 - a. Peter helped by adding 100 GB to kraken's root to support batch processing there
 - b. Submitted IS help ticket to upgrade Hyrax on elvis

Week 38

- 1. Mike McCann
 - a. Testing the `process_dorado.py` script in auv-python for entire reprocessing of the archive

Week 25

- 1. Mike McCann
 - a. Identified problem with Gulper metadata in STOQS – it needs better than minute temporal precision that is provided from the ODV formatted files

Week 12

- 1. Mike McCann
 - a. Reloaded surveys into `stoqs_all_dorado` that were missing Monique's proxies