

901910 - Plankton Taxonomic Groups from AUVs

Week 46

1. Mike McCann
 - a. Using cartopy (with geos & proj binary dependencies) for map plotting in auv-python

Week 45

1. Mike McCann
 - a. Working on resampling variables to be on the same time grid

Week 43

1. Mike McCann
 - a. Working on auv-python as a replacement for the Matlab science data processing toolbox

Week 38

1. Mike McCann
 - a. Reloaded stoqs_all_dorado database with Monique reprocessed proxy files

Week 28

1. Mike McCann
 - a. Contributed to 2022 proposal
 - b. Helping Monique & Lindsey with some Dorado data QC

Week 25

1. Mike McCann
 - a. Met Monique's intern Lyndsey (via email) who is working on cluster analysis of Dorado data

Week 20

1. Mike McCann
 - a. Provided some input to Monique's abstract for a 3-year renewal of the project

Week 12

1. Mike McCann
 - a. Monique is testing parquet export from the kraken2 server
 - b. Testing fix for missing data edge case seen in Dorado survey 2004_251_00

Week 11

1. Mike McCann
 - a. About done with work on parquet file generation from STOQS – there are references to how this may be used at the end of the [GitHub Issue](#)
 - b. Planning to reload the stoqs_all_dorado database following updates to Monique's proxy data

Week 10

1. Mike McCann
 - a. Continuing to make progress on Parquet file generation ([Issue 837](#))
 - i. Deployed updated UI to production STOQS servers
 - ii. Building a Notebook to demonstrate use with DataShader
 - iii. Starting on unit tests (I know, I should have written these first :-)

Week 9

1. Mike McCann
 - a. Making good progress on the parquet file generation: [Issue 837](#)
 - b. Expect to be testing parquet file generation on production servers real soon now

Week 8

1. Mike McCann
 - a. At a checkpoint with demonstration notebook for extracting STOQS data in columnar format
 - b. Buffing out `extract_columns.py` command line tool to create Parquet files
 - c. Estimating memory use before extraction as Pandas doesn't have a useful chunking option

Week 7

1. Mike McCann
 - a. Working on [demonstration notebook](#) for extracting STOQS data in columnar format
 - b. Trying to work through memory exhaustion issues inside Docker containers

Week 5

1. Mike McCann
 - a. Exploring producing Apache Parquet files directly from STOQS SQL queries

Week 4

1. Mike McCann
 - a. Working on Notebook that tests different queries for [Issue 837](#)

Week 3

1. Mike McCann
 - a. Tackling [Issue 837](#) as we now need better ways to extract data from STOQS databases
 - b. Writing Jupyter Notebooks to test various queries to make dataframes from STOQS