

Mike McCann

Week 53

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office
 - 21-31 December 2020

Week 52

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
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 - 21-31 December 2020

Week 51

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Working with Pat on configuring a CentOS 8 kraken2 system for stoqs.shore.mbari.org
 - Learning all about podman:
 - An NFS mounted atlas home directory does not work well
 - I'm hopeful that podman-compose will be able to use my existing docker-compose.yml
 - Helped with testing the new ODSS
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng

- 901800 - LRAUV Payload & Support
 - Reloaded the stoqs_mmts database, which took a few days
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Implementing the navigation adjustment code in auv-python
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Provided evaluation to their professor of the capstone students
- Out of Office
 - 21-31 December 2020

Week 50

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Implementing navigation adjustment in auv-python
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - "Attenginding" OGC meeting this
- Out of Office

Week 49

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Completed migration of vfcbydive from seaspray to expanse
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Added Dorado's new PAR sensor data to Gulper ODV and netCDF files
 - Processed Dorado mission 2020.335.00
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Reloading fall 2020 surveys into stoqs_all_dorado so as to get PAR and proxy parameters
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Advising capstone students to look at PDAL for writing point cloud meshes in glTF format
- Out of Office

Week 48

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Writing Python script to replace what is broken in GraphicsMagick for vfcbydive
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Processed Dorado mission 2020.323.01
 - Added PAR sensor data to the routine legacy data processing to ODV files for Margeurite
 - Updated Dorado AUV routine data processing email to contain:
 - A remark about relevant details about the mission
 - A link to a 3D visualization of the survey from stoqs_all_dorado
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 47

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Getting lots of help from Pat on finding the right version of ImageMagick that works on expanse
- 901009 - CANON
 - Continuing to iterate with Katie on assigning proper names to the LRAUV ESP Samples
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Reloaded Lake Erie STOQS databases with Chl count data for NOAA collaborators
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 46

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Continuing to migrate vfcbydive to work with GraphicsMagick on expanse (CentOS 8)
- 901009 - CANON
 - Continuing to reload last 3 years of CANON databases with newer LRAUV ESP processing
- 901111 - AUV Infrastructure Supprt
 - Processed Dorado missions 2020.308.01 and 2020.314.01
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support

- Implemented a outlier removal algorithm for LRAUV GPS data processing for STOQS
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Attending virtually the [Web3D Conference](#) and chairing the demo session at 5 am Thursday
- Out of Office

Week 45

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Chipping away at the changes needed in vfcbydive for it to work using GraphicsMagick
- 901009 - CANON
 - Reloading CANON Campaigns from 2017 onward that have LRAUV ESP Samples – the names now include the name of the ESP device, as parsed from the syslog file
 - Several Glider data sources have been moved requiring updates to the load scripts
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 44

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Writing Jupyter Notebook to plot LRAUV ESP Sample details from STOQS and the ESP log
- 901111 - AUV Infrastructure Supprt
 - Processed mission 2020.301.03
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Met with Steve Ruberg from NOAA for STOQS instruction to access Lake Erie LRAUV data
- Out of Office
 - Vacation: 19-23 October 2020

Week 43

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana

- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
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- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office
 - Vacation: 19-23 October 2020

Week 42

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Seeing that data continue to flow into [stogs_canon_october2020](#)
- 901111 - AUV Infrastructure Supprt
 - Processed Dorado missions 2020.282.01 and 2020.286.00
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Monique reported a problem with LRAUV section plots in the STOQS UI
 - Rolled out temporary fix where only temperature and chlorophyll are loaded
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office
 - Vacation: 19-23 October 2020

Week 41

- 200109 - Core Mooring Data
 - Tracked down a bad depth value for M1's SWR instrument
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Rolled out updates (some correcting security problems) to production STOQS servers
 - Seeing that current campaign data are flowing into [stogs_canon_october2020](#)
- 901111 - AUV Infrastructure Supprt
 - Finally fixed pytest running in Pipelines – this I learned: MacOS file systems are case insensitive when accessing files, Linux file systems are not (spent a day chasing this).
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series

- Helped Rob get auv-python running on his system
- Overhead
- Out of Office

Week 40

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Dealt with a very full glidermail inbox – full of a bunch of waveglider position reports
- 901111 - AUV Infrastructure Supprt
 - With Brian's help configured auv-rawdata-server on public server stoqs.mbari.org
 - Running Bitbucket Pipeline CI in auv-python using the public auv-rawdata-server
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Using pytest framework in the auv-python project and liking it
 - Successfully processing HS2 data with pytests against the legacy Matlab results
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Moved stoqs.org to a new CentOS 8 VM (actually Joe and Pat did most of the work)
- Out of Office
 - Vacation day: 2 October 2020

Week 39

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Upgraded the STOQS VM provision.sh script to install the latest versions of GMT and MB-System so that the capstone students can use mbgrd2obj for [Issue 1093](#)
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Monitoring ongoing data flow into https://tethysviz.shore.mbari.org/stoqs_lrauv_sep2020
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Continuing to implement calibrate_align.py in auv-python, making sure it gives the same results as the legacy auv_ctd Matlab processing
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Helping Rob with plotting DVL measured water velocity data from i2Map using auv-python
- Overhead
 - Rolled out module updates (fixing a Django insecurity) to our STOQS servers
 - With Pat & Joe's help moving WordPress server for [stoqs.org](#) to a new CentOS 8 VM
- Out of Office
 - Vacation days: 18 September 2020, 2 October 2020

Week 38

- 200109 - Core Mooring Data
 - Copied recovered M1 deployment data to OceanSITES folder - as is done following a mooring turn
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Writing HS2 processing in the auv-python project
 - Writing unit tests for the auv-python data processing functions
 - Trying to speed up progress so that I can implement PAR and Ecopuck processing in auv-python rather than in the Matlab code base
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Meeting with Capstone students who will be working on [this Issue](#)
 - Attending virtual OceanSITES meetings early in the morning this week
- Out of Office

Week 37

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Looking at writing processing for the PAR sensor on CTD2 on Dorado
 - Looking at writing processing for the new eco puck (FLBB2K) instrument on Dorado
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Checking that https://tethysviz.shore.mbari.org/stoqs_lrauv_sep2020 continues to update
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Continuing with the auv-python project as this is likely where the PAR and FLBB2K processing will be implemented
- Overhead
- Out of Office
 - Vacation days 8 September 2020 and 14 September 2020

Week 36

- 200109 - Core Mooring Data
 - Submitted Phase 2 response
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt

- Attempted to track down missing sensor data for the last 4 Gulpers on 2016.307.00
- Wrote script to correct system clock for 2017.284.00 to create 2020.297.00
- Processed missions 2020.245.00 and 2020.246.01 separately in order to properly match up data to the Gulper firings
- Looking at writing processing for new PAR sensor on CTD2 and new ecopuck instrument
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Monitoring https://tethysviz.shore.mbari.org/stogs_lrauv_sep2020 for successful updates
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Continuing to implement calibrate_align.py in the auv-python project
- Overhead
 - Working with Pat to get git working w/ ssdsadmin's ssh keys on an atlas home directory share
- Out of Office

Week 35

- 200109 - Core Mooring Data
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- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office
 - Vacation days Monday & Tuesday 17-18 August 2020

Week 34

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Processed data for mission 2020.231.01
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Elicited a few more Issues on the auv-python project and inching forward on implementation
 - Getting around to correcting times for mission 2017.284.00
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Beginning to work with Joe in testing Expd on strawbexpd with ActiveState Perl

- Out of Office
 - Vacation days Monday & Tuesday 17-18 August 2020

Week 33

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Moving the vfcbydive code from seaspray to expanse – getting help from Pat on installing the required Perl modules
- 901009 - CANON
 - Fixed fragment shader to more accurately represent color for the point visualization in the Spatial 3D view – still need to figure out the vertex shader to provide better depth perception
- 901111 - AUV Infrastructure Supprt
 - Processed Dorado mission 220.218.03
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Reloaded the monthly databases between 2012 & 2019 to pick up more data following some upstream data processing code improvements
 - Pat added 200 GB to the postgresql data partition on <http://tethysviz.shore.mbari.org>
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Loaded Monique's proxy data to the last diamond survey in stoqs_all_dorado
 - Planning with Monique and ops how to get config info to deal with sensor offsets and lag
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Working on auv-python, which intersects with Plankton Proxy work
- Overhead
 - Requested a Windows VM (strawbexpd) to test the Expd web app with Strawberry Perl
 - Attended via Zoom the SIGGRAPH Pioneers reception talk by Douglas Trumbull
- Out of Office
 - Vacation days Monday & Tuesday 17-18 August 2020

Week 32

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 31

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana

- 500055 - Video Annotation DM
- 901009 - CANON
 - Improvements to automated data loading into STOQS
 - Created 3D animation of Brizo's shark bite and [shared on Slack](#)
- 901111 - AUV Infrastructure Supprt
 - Conferred with Hans on "creating" Navigation data from Dorado run
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - ESIIP Federation summer meeting
 - Helped with some project labor resource leveling
- Out of Office

Week 30

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Created stoqs_canon_july2020 database and monitoring its loads
 - Had to back out a Matplotlib update as it broke the colormaps for plotting balanced variables, ones like northward_sea_water_velocity_HR and pitch.
 - Fixed some issues with Waveglider data processing
 - Learning about shaders in order to improve visualization of point data
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Fix problem with ROT Axis not appearing for BEDs visualization in stoqs_cce2015 database
 - Attending (remotely) ESIIP Federation summer meeting
- Out of Office

Week 29

- 200109 - Core Mooring Data
 - Submitted proposal for 2021
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Reloaded [stoqs_canon_may2019](#) to capture more ESP samples and to provide a better report in the stoqs load log regarding the disposition of each cartridge
 - Put into production decoding of Dorado's new Warrior format Iridium beacon for ODSS
 - Monitoring automated LRAUV data processing and flow into tethysviz databases
- 901111 - AUV Infrastructure Supprt

- 901602 - Data TAG: Addrss Eng Chng
 - 2021 proposal review
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
 - 2021 proposal review
- 901221 - Midwater Time Series
- Overhead
 - ESIP Federation Summer Meeting
- Out of Office

Week 28

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Tracking down more edge cases in parsing LRAUV syslogs for ESP Cartridge numbers
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Configured automated weekly loading of the stoqs_all_dorado database
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 26

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 25

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt

- Still trying to figure out binary format for SBDs from new Warrior Iridium beacons
- Improved UI operation for 3D rendering of points, lines, and polygons in STOQS
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Reloading all tethysviz databases with consistent Activity naming – now including platform names
 - Helping Reiko retrieve Sampling information (Sippers and ESP) for loading into BOG
 - Confirm automatic flow into https://tethysviz.shore.mbari.org/stoqs_lrauv_jun2020
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - As part of auv-python project doing a careful analysis of interpolation schemes
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Picking up work on auv-python project
- Overhead
 - Internal calendar Zimbra merge fixes to deal with changes during the shutdown
- Out of Office

Week 24

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Fixed Docker mount issue with /dev/shm: lesson learned, don't mount over it
- 901111 - AUV Infrastructure Supprt
 - Added platform name to Activity name to improve UI mouse over experience
 - Simplifying the LRAUV data processing cron jobs with --current_month option
 - Working with Hans on parsing data from a new Iridium beacon
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Re-loading <https://tethysviz.shore.mbari.org/> databases following fixed loading problems
 - Checking up on automated data loads into the [jun_2020 database](#)
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
- Out of Office

Week 23

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series

- Overhead
- Out of Office

Week 22

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Fixed some date boundary test issues for loading LRAUV data
 - Fixed functional test execution on Travis-CI and dockerhub
 - Fixed a provisioning issue with a new postgresql dependency
- 901111 - AUV Infrastructure Supprt
 - Reloaded the [stogs_mmts](#) database to pick up missing Sipper samples
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Provided milestones, time estimates, and edits for MB-Mapping proposal
 - Provided details on BEDs data visualization for Roberto's paper
- Out of Office

Week 21

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Exploring why [MBTS](#) missions after Jan 2018 don't have Sipper samples
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Continuing work on auv-python – trying to use xarray for all netCDF operations
- Overhead
 - Examined issue of Expd's nav-data.asp query not returning all records
- Out of Office

Week 20

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Added functional tests for Points feature added by Capstone students
 - Attending via Zoom their live [presentation](#) during the Capstone Festival on Friday
 - Deployed the points, lines, polygons 3D data visualization feature on the stogs servers

- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Spinning back up on auv-python project – using it to explore dataframe viz technologies
- Overhead
 - Configuring applications on new laptop
- Out of Office

Week 19

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
- Overhead
 - Starting to migrate Time Machine backup files to new laptop
- Out of Office
 - Some vacation days while waiting for new laptop

Week 18

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Going all in on learning to use VS Code – using it on the auv-python project
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- 901221 - Midwater Time Series
 - Implementing the calibrate and align steps in the auv-python project
 - Exploring using xarray for all data read, processing, and write functions
 - Looking at using streamlit.io to build a dashboard for AUV data visualization
- Overhead
 - Working with Jenny on a mapping database task in the Ocean Imaging project
 - Struggling with using 10-year old laptop, new laptop should arrive next week
- Out of Office
 - Taking a vacation day this week to catch up on grading for CSUMB class

Week 17

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - With Karen's help migrated auv_ctd CVS repo from moonjelly to an MBARI [bibucket git repo](#)
 - Working on calibrate.py in the AUV Support auv-python project for i2MAP data
 - Fiddled more with the quick look plot Jupyter Notebook in the auv-python project
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- Overhead
 - Figuring out what dongles I'll need for the new MacBook Pro when it arrives
- Out of Office
 - Took a vacation day last week

Week 16

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
 - Still trying to get access to i2MAP log files
 - Outlined a plan for the next steps in the Python-based AUV data processing pipeline
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
 - Group meeting
- Overhead
 - My laptop decided to start randomly rebooting, so I asked Norm's permission to get my backup laptop (a 2011 MacBook Pro) and now I'm busy installing my development tools on it
- Out of Office

Week 15

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Trying to fix vfcbydive for tibr 150
- 901009 - CANON
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa

- Overhead
 - Group & dept. meetings
- Out of Office

Week 14

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Fixed a vfcbydive problem reported by Lonny: elapsed millis image file names not captured
- 901009 - CANON
 - Met with capstone students on Zoom to clarify [some requests I made](#) on their pull request
- 901111 - AUV Infrastructure Supprt
 - Started [auv-python repo in BitBucket](#) and started an Issue to discuss my proposal
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- Overhead
 - Wrote a test framework for Jenny's MB-Mapping Django project
- Out of Office

Week 13

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Changed vfcbydive to copy original .png rather than symlink as it updates EXIF metadata
- 901009 - CANON
 - Provided feedback to instructor of Capstone students – they're doing a good job
- 901111 - AUV Infrastructure Supprt
 - Participated in i2map sensor data processing meeting held by Rob S on Zoom
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Databases on tethysviz now contain all logs belonging to a .dlist across month boundaries
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
 - Shared slide set created for i2map meeting on #se-ie Slack channel
- Overhead
- Out of Office

Week 12

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Continuing work on vfcbydive to work with new M3 file naming conventions
- 901009 - CANON
 - Mentoring capstone students on their first [Pull Request](#) implementing Point rendering
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng

- 901800 - LRAUV Payload & Support
 - Working on better automation of data processing workflows
 - Identified a problem with .dlist files spanning a month boundary that aren't being loaded
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- Overhead
 - Web3D Consortium conference call
- Out of Office

Week 11

- 200109 - Core Mooring Data
 - Fixed the way Salinity is calculated for deep microcats without pressure sensors – simply use nominal depth as a standin for pressure, which is better than using 0 for pressure
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Trying to fix vfcbydive to work with M3 framegrabs
 - Beginning migration of vfcbydive from seaspray (CentOS 6) to expanse (CentOS 8)
- 901009 - CANON
 - Rolled out some STOQS changes to improve scrubbing of 3D curtain animations
- 901111 - AUV Infrastructure Supprt
 - At Rob Sherlock's request am looking at using Gulper workflow for i2map data
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Reloaded [stoqs_lrauv_dec2019](#) for a clean load of all the ESP samples
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
 - Team meeting, read about modin-project
- Overhead
 - Helping Jenny with the Django tutorial and her MB-Database project
- Out of Office

Week 10

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
 - Revising vfcbydive to deal with images from M3_ANNOTATIONS
- 901009 - CANON
 - Met with capstone students who are working on 3D Points visualization
 - Wrote code to process new format for DEIMOS acoustic data
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Loaded last missing Cartridges into stoqs_erie2019, now working on last December's runs
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- Overhead
- Out of Office

Week 9

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Fixed “404 Not Found [IP: 91.189.88.31 80]” Docker error by upgrading to ubuntu:19.10
 - Deployed 3D Curtain animation capability on 3 production STOQS servers
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - On a journey to find and fix all the causes for missing ESP Cartridges from STOQS:
 - With Ben and Brent’s help loaded new ones from a missing .dlist
 - Writing parser for syslogs vice using TethysDash to get ESP metadata
 - Expecting additional issues that will need resolution
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- Overhead
 - Participated in some External Review Committee activities
- Out of Office

Week 8

- 200109 - Core Mooring Data
 - Needed to regenerate the hourlyM1.nc file because the file from the last microcat deployment had some issues – Fred quickly repaired it and now John is able to use it
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Added a step time for the 3D animated curtain generation – things are starting to look better
 - Discovered that the newest release of X3DOM no longer supports the SRC mesh representation of terrain data I’ve been using – I’ll need to transition to glTF bundles
 - Unable to build my Docker images due to a “404 Not Found [IP: 91.189.88.31 80]” error
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
- 901915 - Improving MBARI Data Impa
- Overhead
- Out of Office

Week 7

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Binary search for image slices really improves performance – profiling in Chrome now indicates most time is spent in rendering rather than in the dumb JavaScript function I used to have.
 - Continuing to test and squash bugs in the UI for controlling 3D Curtain animations
- 901111 - AUV Infrastructure Supprt

- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Met with Monique and agreed on path to producing “Dataframe” structured data from STOQS
 - Beginning to look at ways to generate these Dataframe “reports”
- 901915 - Improving MBARI Data Impa
- Overhead
- Out of Office

Week 6

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Continuing to implement and test improvements for performance of the 3D curtain playback
 - Tested using watchtower for Continuous Delivery – need to think about scenarios where automated service restarts might interrupt long-running load processes that may be using the same container
- 901111 - AUV Infrastructure Supprt
 - Processed survey Dorado389_2020_035_00_035_00
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
 - Turned on backend data processing for February 2020
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Solved postgresql killing problem on Catalina – added ‘oom_kill_disable: true’ directive to my docker-compose.yml file
 - Trying to find mutual time to meet with Monique
- 901915 - Improving MBARI Data Impa
- Overhead
 - Meeting with CSUMB Capstone students on Wednesday afternoon
 - Meeting with other Engineering staff in preparation for External Review Committee
- Out of Office

Week 5

- 200109 - Core Mooring Data
- 300070 - DMO Support- Ventana
- 500055 - Video Annotation DM
- 901009 - CANON
 - Looking at using a binary search tree to improve the performance of the JavaScript that executes the 3D curtain playback visualization
- 901111 - AUV Infrastructure Supprt
- 901602 - Data TAG: Addrss Eng Chng
- 901800 - LRAUV Payload & Support
- 901807 - Next Gen Acoustic Dorado
- 901910 - Plankton Taxonomic GrpAUV
 - Installed Docker-based stoqs on new Mac Pro with the stoqs_all_dorado database
 - Trying to understand why the new Mac Pro is killing the postgresql process – this is not happening on any other deployment, so I suspect it’s something unique to Catalina
- 901915 - Improving MBARI Data Impa

- Overhead
 - Setting up new Mac Pro computer with necessary software
- Out of Office