

Danelle Cline

Week 30

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office
 - September 21-24 Oceans Conference, Monterey
 - October 18th, SMM 2026 pre-conference Workshop: Evolving AI Applications in Modern Marine Mammal Science: From Computer Vision to Generic and Agentic AI, Puerto Rico
 - Vacation July 27th-31th

Week 29

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Data mining for velella conaria using vector database VSS
 - Migrated data out of AWS S3 to qumulo object storage.
- 901221 - Midwater Time Series
 - Export TWDA boxes to Voxel51 for review. Optimizations to fiftyone-sync service for faster processing, improved error handling, and to reduce disk and memory pressure on host doris.shore.
 - Pulling down all frame captures from AWS glacier to load into qumulo object storage
- 901502 - Ocean Soundscape
 - Team meeting. STM optimization with panacetacea dataset. Minor maintenance on s3 cron. Drafting SMM workshop abstract.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Updates to mbari-aidata module to support summer intern, Sarah Williams, who is making good progress.
- 902111 - Carbon Flux Ecology
 - Data mining for rare taxa in Planktivore low-mag using vector database VSS populated with Fernanda's labels.
 - Maintenance on deployment scripts to support both ansible and manual deployments
- Overhead
- Out of Office
 - September 21-24 Oceans Conference, Monterey

- October 18th, SMM 2026 pre-conference Workshop: Evolving AI Applications in Modern Marine Mammal Science: From Computer Vision to Generic and Agentic AI, Puerto Rico
- Vacation July 27th-31th

Week 28

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Running VSS (Vector Search System) on planktivore low-mag to search for next stage Velella conaria with augmented examples. So far, none have been found but we have a lot of data to look through.
 - Improved memory management of REDIS to reduce storage overhead
- 901221 - Midwater Time Series
 - Loading i2MAP images from AWS Glacier to Qumulo S3 by depth in preparation for mining deeper depths using Voxel51 to quickly edit
- 901502 - Ocean Soundscape
 - STM model sweeps with panacetacea dataset
 - All three soundscape submissions for Oceans were accepted. Many thanks to Carlos, Duane, and John for their good work on this.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Helping intern Sara with aidata download and workflow design
- 902111 - Carbon Flux Ecology
 - SINKER rsync migration completed; issues with file locking and backlog seem to be resolved
 - Advanced Jupyter notebook tutorials with download functionality; Fiftyone sync updates to add better dataset creation per users
 - Running VSS on planktivore low-mag to search for rare taxa
 - Issues with zmq-aggregator failures need further work. Thanks to Karen for her help with this.
- Overhead
- Out of Office
 - September 21-24 Oceans Conference, Monterey
 - Vacation July 8th-13th

Week 27

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Working on initializing VSS (Vector Search System) with four augmented velella conaria examples. Next steps are vector search in bulk, similar to how velella were mined in the planktivore archives.
 - De-duplication code to identify individuals in tracked velella
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
 - Oceans abstract on PBP accepted. Thanks to the team for their help with the submission.

- STM sweeps with Perch2 model optimizing ARI are in place. Thanks to collaborator Franny for cleaning-up the sound annotations. The single 6 and a half minute humpback recording used for testing had 32 unique sound units !
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Oceans abstract on Kelp SAM Coverage accepted
 - Summer intern help and VO
- 902111 - Carbon Flux Ecology
 - Successfully migrated SINKER log files using rsync with new service account, closing issue #3 (<https://github.com/mbari-org/deploy-sinker/issues/3>).
 - Advanced Jupyter notebook tutorials for the group, including adding download functionality across media and localizations and mount to CFE lab share.
 - Redeployed [mantis](#) with new automated SSL certificate renewal.
- Overhead
 - Expansion of object storage needed for on-prem annotation server (10 TB), IS ticket pending. Tested Qumulo object as Tator object store; mostly S3 compatible, except ACL and some CORS issues. Minor code revisions needed.
- Out of Office
 - September 21-24 Oceans Conference, Monterey

Week 26

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office
 - September 21-24 Oceans Conference, Monterey

Week 25

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
 - Deployment of [stratagrid](#) to visualize training data
- 901502 - Ocean Soundscape
 - Organized team discussion for proposal input
 - Labeled segmented units with Voxel51/Perch2 model. Refining model sweeps to optimize ARI.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Proposal input
 - Deployment of [stratagrid](#) to visualize training data
 - A few mbari-aidata pip modules updates to support train/test
- 902111 - Carbon Flux Ecology

- Proposal input for lab and SINKER
 - Deployment of [stratagrid](#) to visualize training data
 - Working on active learning tutorials to teach lab how to build classifiers
- Overhead
 - Finished reviewing Ecosphere paper
- Out of Office
 - September 21-24 Oceans Conference, Monterey

Week 24

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
 - Labeling single segmented sound file for optimized STM hyperparameter sweeps. Perch2 model + Voxel51 + Raven Annotation proving useful for this task. ARI with a simple tonal benchmark reached 0.8 confirms the sweeps are good.
 - Discussion with our new summer intern, Arie RaizmanI, Master CS student of UCSC on STM approach, hop-lite, and our overall goals.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Onboarding Sarah with [AI/UAV](#) documentation and tools. Setup account on drone for downloading annotation data, setup Slack channel, weekly meetings, and added to github repos for documentation. She is off to a great start!
 - Visual observer for NewBrighton deployment
- 902111 - Carbon Flux Ecology
 - Migrating syncing to a new service account
 - 200K plankton images stratified samples across depth/time were clustered and loaded for the team to annotate
- Overhead
 - AIDevSummit conference, San Francisco. Some follow-up with vendors.
- Out of Office
 - September 21-24 Oceans Conference, Monterey

Week 23

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
 - Proposal discussion and [updated docs](#)
- 901502 - Ocean Soundscape
 - Continued work on topic model sweeps and summer intern meetings
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - VO on mission, continued work on mission viewer and [updated docs](#)
- 902111 - Carbon Flux Ecology

- Finished data mining 200K ROIs Planktivore low-mag 2024-2025 archive for model training. Stratified across depth/month/hour to represent diversity and clustered using [SDCAT](#) using high-mag model. Data loaded into mantis and Voxel51 for advanced annotation by lab members. Meeting with lab members next week to discuss data management.
 - Fixed some issues with cropping failures
 - SINKER storage discussion with IS
- Overhead
 - May 27-28, AI DevSummit, San Francisco
 - Reviewing Ecosphere paper
 - Planktivore proposal discussion
- Out of Office
 - September 21-24 Oceans Conference, Monterey

Week 22

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office
 - September 21-24 Oceans Conference, Monterey
 - May 27-28, AI DevSummit, San Francisco
 - Out of office May 25-29th.

Week 21

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
 - Ran 3-stage (detect-classify-track) k3s pipeline on latest dive. Data loaded to Mantis and exported to Voxel51 for review. Used a retrained classification model with mucous strings which were very abundant in this dataset but not classified correctly.
- 901502 - Ocean Soundscape
 - Team meeting. Discussed proposal feedback which was very positive.
 - CSUMB student Gabriel completed his work on the Athena database.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Deployed latest classification model to [MBARI modelhub](#) (an easy to use model card for internal use only)
 - Added FastAPI health to cortex
 - Team meeting [update](#)
 - Discussed SAM3 few-shot with collaborator
- 902111 - Carbon Flux Ecology

- Working on particle detection and classification pipeline for Triton
- Team working on evaluating model performance of classification model on ISIIS mission
- [Fixed issue 16](#)
- Discussed Planktivore High Magnification below-surface data mining with Fred Bahr. All missions, except the CFE lab planktivore mission (awaiting PRobert's time-correction on this) has been preprocessed to parquet.
- Overhead
 - Summer intern planning
 - Travel request
 - IS request for S3 bucket to migrate mantis media
- Out of Office
 - September 21-24 Oceans Conference, Monterey
 - May 27-28, AI DevSummit, San Francisco
 - Out of office May 25-29th.

Week 20

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Megadetector exported to ONNX format and running on the [modelhub](#).
 - Help ticket issued to migrate data to on-site object storage. Waiting for Neil to return to test.
- 901221 - Midwater Time Series
 - Retrained classification model to better remove many mucous strings in the latest i2MAP dive. Model exported to ONNX format and running on the [modelhub](#).
 - Reprocessed latest dive using kubernetes through the 3-stage RF-DETR, DINO + Bostrack pipeline. Exported to Voxel51 for review.
 - Proposal discussion.
- 901502 - Ocean Soundscape
 - CSUMB student project complete. AWS Athena database with 99% coverage of soundscape metadata to provide basis for sql queries.
 - Working on testing Perch2 model with Humpback groundtruth data.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Added two new classes to the classification model and retrained. Improved performance 5%. Models exported to ONNX format.
- 902111 - Carbon Flux Ecology
 - Registered a few Triton videos on mantis.
 - Developing processing pipeline to separate particles from midwater taxa. This will leverage models created for MTS and Biodiversity. Models exported to ONNX format.
- Overhead
 - Attended some abstract presentations
- Out of Office
 - September 21-24 Oceans Conference, Monterey

- May 27-28, AI DevSummit, San Francisco

Week 19

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office
 - 21-24 September: Oceans Conference

Week 18

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office

Week 17

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Summer intern project planning
 - Assisting UCSC student with Velella project
- 901221 - Midwater Time Series
 - Finalizing RF-DETR k3s (kubernetes) track pipeline. Loaded latest dive to mantis.shore.
- 901502 - Ocean Soundscape
 - Running parameter stm sweep optimization for Perch2 model. Embeddings look promising with this model. Evaluating both [perplexity](#) and [ARI](#) metrics.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Some work on a React web application to visualize mission results
 - Loaded last three missions and running processing pipeline
 - Deployed Voxel51 sync service to drone.mbari annotation server to support faster review of results. Many thanks to Adriana and Peter in IS for their assistance with this.
- 902111 - Carbon Flux Ecology
 - Helping team with SINKER processing pipeline.
- Overhead
 - Proposals and OCEANS abstract

- Out of Office

Week 16

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office
 - April 1-2, Vacation

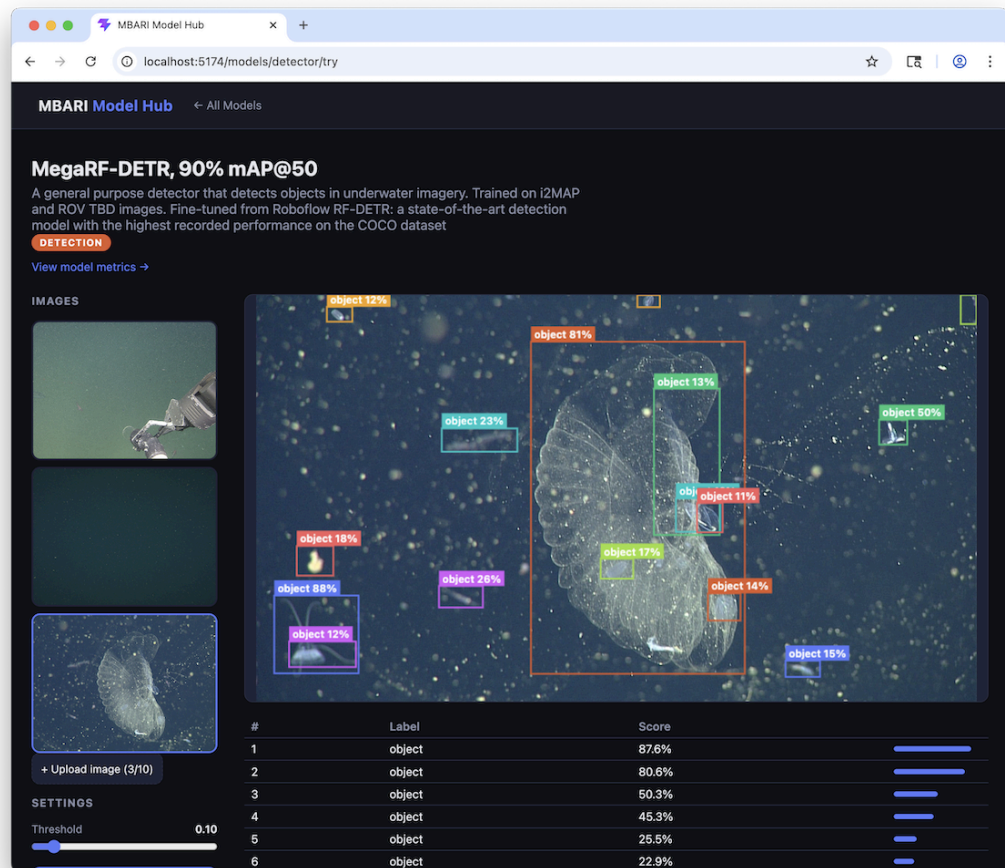
Week 15

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office
 - April 1-2, Vacation

Week 14

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Setup AWS bucket for intelligent tiering storage for Tator mantis instance storage
 - Transcoded 2019/2018 Doc Rickett dives with 1 second keyframes; started video load which will take a while
- 901221 - Midwater Time Series
 - Setup Tator project config in preparation for running workflows outlined in week 6
- 901502 - Ocean Soundscape
 - Setup Tator project config in preparation for loading training spectrograms
 - Meetings to discuss realtime data use for whale monitoring(pacific coast) and interactive sound exhibits(international)
 - Moving AWS upload to near-realtime cron instead of nightly cron
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Summer intern review and interviews
 - Tested revised threshold on ML pipeline which reduced false detections ~30%. Issues with running RF-DETR now need attention. perhaps misalignment with repo version.
 - Team meeting

- 902111 - Carbon Flux Ecology
 - Populated VSS (Vector Search System) with noise-only embeddings for ISIS, computed scores, loaded into mantis, and exported through Voxel51 community sync service. Fernanda is comparing against classifier scores.
- Overhead
 - Working on a modelhub that captures current models, metrics, and supports interactive demos.



- Out of Office
 - April 1-2, Vacation

Week 13

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead

- Out of Office

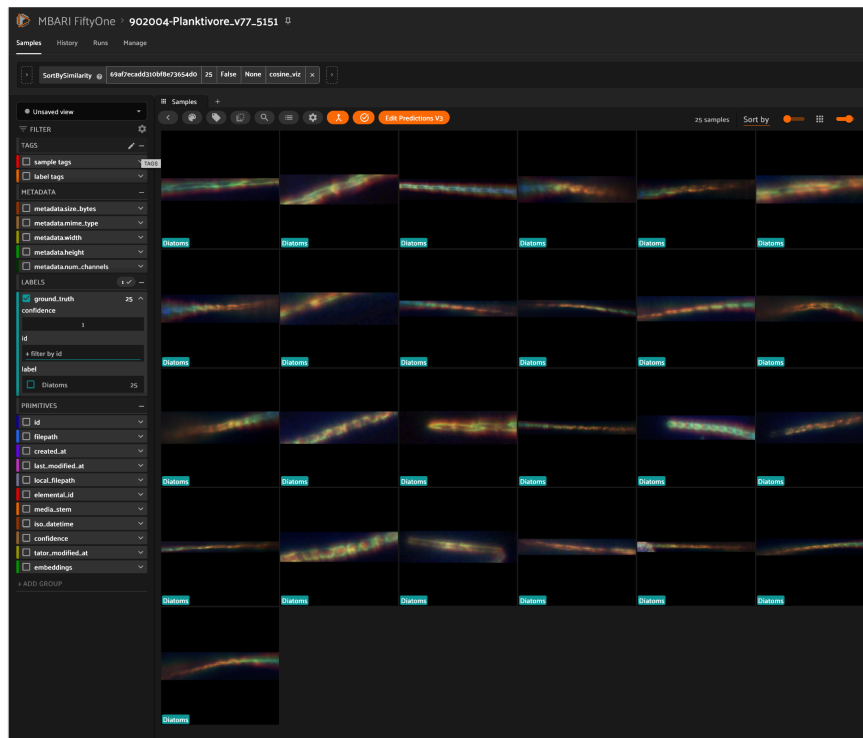
Week 12

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office

Week 11

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
 - Mentoring CSUMB student Gabriel. He is making good progress.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
 - SINKER deployment support, adding new physical machine snowfall to rsync and logged into instrument to confirm ADCP not working. Paul was able to fix remotely.
 - Planktivore and ISIIS data is now syncing from Tator to Voxel51 both community and enterprise versions. Over 1 million ROIs successfully captured from video or from raw source, embeddings and similarity index computed. Laura Chrobak working with Voxel to refine plugins for our

use-cases.



- Overhead
- Out of Office
 - Vacation: 3-12,3-13

Week 10

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
 - CSUMB student weekly meeting. Good progress so far. Gabriel demonstrated Athena queries on PBP generated metadata and presented a general system workflow.
 - Upgrades to Shoutcast stream and fixes to email notifications of recording failures
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - VO assistance. Some issues with the camera so we had to cancel the flight.
- 902111 - Carbon Flux Ecology
 - SINKER deployment support; adding new physical GPU-enabled machine snowfall to workflow, switched MARS IP address, some optimization and cleaning of the ansible deployment scripts.
 - Debugging issues with embeddings failures in vector database service VSS. New VM [cortex](#) up and running; more planned for this but working well as proxy gateway for now.

- Overhead
- Out of Office

Week 9

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
 - Deployment of new VM cortex with proxy gateways for various services, including a new Voxel51 sync service
- 901502 - Ocean Soundscape
 - AWS setup for CSUMB student project and project planning for 10 week program
 - Updated recording JSON metadata in bitbucket
 - Helped with collaborator, Franny with ROST docker build
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Team meeting
- 902111 - Carbon Flux Ecology
 - Deployment of new VM cortex with proxy gateways for various services, including a new Voxel51 sync service
- Overhead
- Out of Office

Week 8

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
 - Added embedding output endpoint to vector database service [VSS](#); creating Voxel51 sync service for integration with Tator. This will allow one to quickly search, filter, and visualize visual data in an integrated way with the metadata, e.g. depth, temperature, etc. with a central database. See [demo of Voxel51 on i2MAP training data embeddings](#).
- 901502 - Ocean Soundscape
 - CSUMB student, Gabriel Meyers, planning for service learning project on AWS
 - Fixed issue in the [syncing of backlogged data](#) and revised the wav file size check per the latest recorder. Many thanks to Carlos Rueda for flagging problems with downstream 16K audio processing.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
 - CenCOOS/Planktivore meeting. Issues with authentication support to be bumped to Voxel51. Will revisit after OSM when team is back
 - Fernanda will be presenting our work at OSM, Thursday, Feb 26th 3 PM GMT/ 7AM PST ME43A-07: Simultaneous, automated classification of abundant marine snow particles and rare zooplankton from imagery
- Overhead

- Out of Office

Week 7

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Retrained ViTS model for classes with > 100 examples; .89 balanced accuracy
 - Tried retraining ViTS model with DinoV3 but ran into troubles with transformer library support and huggingface model gating is a pain.
 - Repopulated vector database using ViTS model
 - Finished argo workflows for rerunning ViTs and populating with ancillary data from the expedition database for analysis. This will take some time to rerun (classification only), but needed as the last model did not perform well for target species.
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
 - Reprocessed select dates with the realtime processing code [soundpipe](#) for JRyan to review. Blue, fin, and humpback model outputs agree with daily and Matlab processed results. Next step is discussion with stakeholders on outputs.
 - CSUMB student Zoom session
 - Thalassa outage caused some data loss
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - OSM poster review
- 902111 - Carbon Flux Ecology
 - OSM presentation support
 - Clustered OOD
 - Planktivore support for Voxel51
 - Database cleaning to remove video captured during flooding events and some performance improvements to vector database service VSS to handle batching with less memory
- Overhead
 - Group meeting to discuss authentication template and AI
- Out of Office

Week 6

- 901103 - Biodiversity and Biooptics of Zooplankton
 - ~8K video files processed from 2018-2020 for data mining through k3.
 - Added VARS media tap loader to unify downloads with [aidata](#)
- 901221 - Midwater Time Series
 - Outlined three general workflows; discussed combined use of Tator+[Voxel51](#) to quickly preview results
- 901502 - Ocean Soundscape
 - STM (Sound Topic Model) bug fix for misaligned documents

- CSUMB student review
- Starting evaluation of Whisper model embeddings
- Finished [soundpipe](#) which will run a series of processors on incoming MARS audio files to monitor for blue/fin/humpback presence.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Loaded new RF-DETR model results to drone.mbari.org. Appears to be a much more sensitive model than YOLOv11; some adjustments needed for threshold.
 - Team meeting and OSM poster discussion on kelp coverage ML
- 902111 - Carbon Flux Ecology
 - OOD (Out of Distribution) exploration with Fernanda.
 - Voxel51 data preparations for Planktivore use
- Overhead
 - Performance review
- Out of Office

Week 5

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Mined 2018 and 2019 DocRicketts dives at 3 second stride for species. Preparing report for Haddock.
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
 - Revised realtime MARS pipeline with calibrated spectrogram and improved plots. Code walkthrough with J. Ryan to verify correct output per expected 5 second time resolution. Next steps will be feedback from collaborators. [Triton](#) server is working very well for this application.
 - Bi-weekly meeting
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Working on <https://github.com/mbari-org/UAV-issues/issues/23>. Had some issues with the vGPU reporting no available memory that others have reported. A reboot fixed this issue.
 - Shared image mosaic of a mission with collaborator T. Sananikone who is working on a [SAM-based kelp coverage tool](#). He is evaluating the performance on a mission mosaic and looking towards the [SAM3](#) model.
- 902111 - Carbon Flux Ecology
 - [VSS](#) (Vector Search System) updates to add augmentations supporting Fernanda's work exploring ISIIIS classification model workflows.
- Overhead
 - Annual review materials and met with supervisor to review
- Out of Office

Week 4

- 901103 - Biodiversity and Biooptics of Zooplankton

- Processing all of 2018 DocRickets dives with Argo workflow on kubernetes cluster. Roughly 2800 video files. When processing is complete, a report with associated metadata will be generated for closer inspection.
- 901221 - Midwater Time Series
 - Processed 2018 dive with Argo RF-DETR Boostrack workflow and loaded to i2map.shore for analysis
- 901502 - Ocean Soundscape
 - Realtime-time workflow review with John. Triton inference server deployed and working well on new VM; 10 minute audio processes in less than 40 seconds.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Team meeting
 - Working on issue [23](#) to replace current YOLOv11 detector with better performing RF-DETR. Processed latest Trinity Pro mission in Seacliff on 20260114 with new RF-DETR model.
 - Review with collaborator, Tim of mission mosaic processing with Kelp coverage; some issues with edge artifacts confounding SAM algorithm. Setup Kelp segmentation test project on drone.mbari.org anticipating test segmentation map loads.
- 902111 - Carbon Flux Ecology
 - Ongoing work with Voxel51. Working on associating depth missing from ROIs which needs to be loaded.
 - Updated planktivore documentation on first iteration of labeling.
- Overhead
 - Performance review input
- Out of Office

Week 3

- 901103 - Biodiversity and Biooptics of Zooplankton
- 901221 - Midwater Time Series
- 901502 - Ocean Soundscape
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
- 902111 - Carbon Flux Ecology
- Overhead
- Out of Office

Week 2

- 901103 - Biodiversity and Biooptics of Zooplankton
 - Finished Argo ONNX based workflow <https://github.com/mbari-org/argo-workflows> with optional vector database integration
 - Training new RF DETR megadetector model with targeted depth range 200-2000 meters
- 901221 - Midwater Time Series

- The RF DETR model trained with pseudo labels did not perform well. Removing generic classes like “marine organism” improved classification performance ~10%.
- Loaded training data into Voxel51 Community. Check out a [demo on exploring i2MAP training data in Voxel51 Community](#). It's very intuitive and fast to interact with embeddings through lasso queries around clusters - one can see where the lines blur between annotations, where outliers are, and mistakes are made. This is a better way to interact with our data than a grid-only view in my opinion.
- 901502 - Ocean Soundscape
 - Realtime workflow modifications to handle OOM errors for hourly processing.
 - Deployed Triton inference server on new VM sonus.shore.mbari.org
- 901902 - Unoccupied Aerial Vehicles for Science, Operations and Outreach
 - Migrated image loader to new Trinity3 platform. Some minor continued exploration of a web dashboard.
 - Team meeting
- 902111 - Carbon Flux Ecology
 - Working with L. Chrobrak on Voxel51 enterprise evaluation.
 - Loaded planktivore high mag into Voxel51 Enterprise and entire ISIIS video deployment into Voxel51 Community for Colleen to validate.
- Overhead
- Out of Office