

Danelle Cline

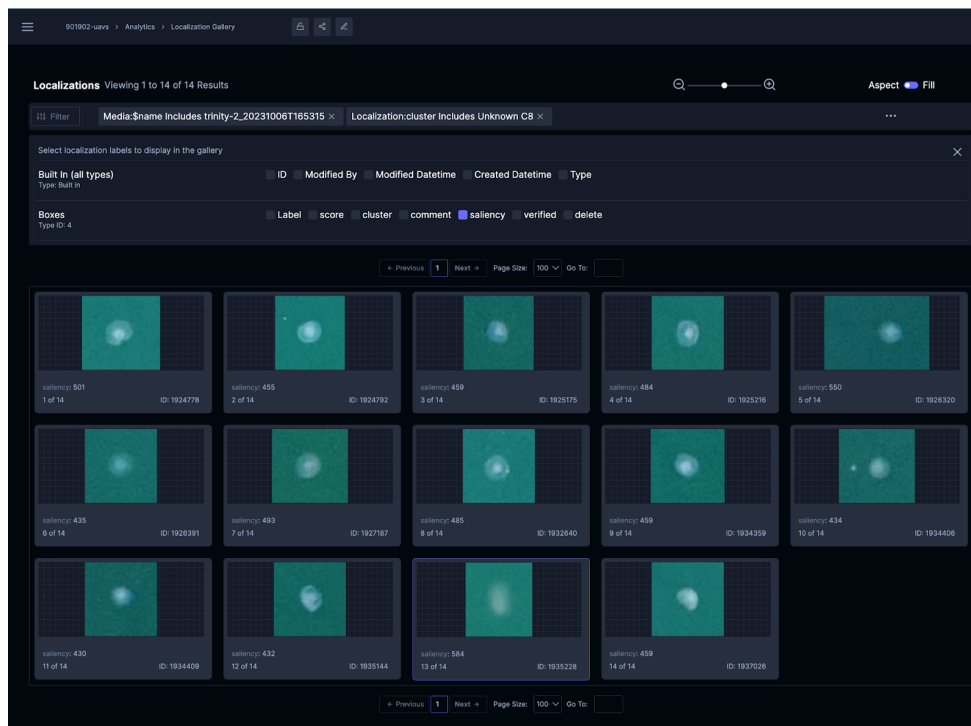
Week 51

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - December 14th, bereavement leave
 - December 25-Jan 2nd, vacation

Week 50

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - NTR
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Waiting for Haddock to verify before retraining.
- 901206 - Coastal Profiling Float
 - Waiting for hardware to test. Implemented RUDICS simulation mode.
- 901502 - Passive Acoustic Sensing
 - Added JSON metadata generation code to pypam-based-processing to simplify example use. We need to do further integration. Talks are planned in January with the broader community on handling data in GCP.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach

- The team is labeling after a few training sessions. Processing data as needed. We have been searching for jellies and have found our first cluster!



- 902204 - Scalable Robotics
 - 2024 year wrap-up, discussion with a few interested members on cloud tests.
 - Working on workflow for stereo data ingest and visualization.
- Overhead
 - Cal Poly students finished a project on zero-shot clustering of Antedonidae. Thanks to Lonny Lundsten for inspiration to focus on Antedonidae.
 - Quick test to create a few model cards in HuggingFace to facilitate workflow integration with several imaging projects, including UAV, Scalable Robotics, and more in 2024. Many thanks to Duane for setting up the MBARI space.
 - [Listening to Google Woman in Machine Learning Symposium talks](#)
- Out of Office
 - December 14th, bereavement leave
 - December 25-Jan 2nd, vacation

Week 49

- 300057 - Mooring Maintenance
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- 901009 - CANON
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- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Thanksgiving, November 22nd-November 24th.

Week 48

- 300057 - Mooring Maintenance

- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
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Week 47

- 300057 - Mooring Maintenance
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-

Week 46

- 300057 - Mooring Maintenance
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- Overhead
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Week 45

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - Dockerizing tools for large-scale batch processing are up and running on doris.shore.mbari.org. Processed three 2023 dives, which auto-loaded into our M3_EVENT_TRACKS database. These can be viewed on the [deepsea-ai dashboard](#).
 - The team discussed workflow changes, including report generation next steps, and year-end goals.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton

- Loaded training data for visualizing and clearing into mantis. This included Ctenophora sp. A examples augmented with [albugmentations](#) and other examples that may be confused to create an effective model. Removed blurry and small examples. Haddock to verify before training.
- 901206 - Coastal Profiling Float
 - Flowflow repo created for development. Discussion with the team on requirements.
- 901502 - Passive Acoustic Sensing
 - Team meeting. Pending work to add JSON metadata generation code to pypam to simplify example use.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Brought processing up to date in preparation for hand-off to D.Edgington and team for labeling and model training
- 902204 - Scalable Robotics
 - Testing Python entry point to quadrotor simulations.
- Overhead
 - Stanford and Cal Poly student mentoring
 - Attended CENCOOS meeting to discuss 3-5 year plans
- Out of Office
 - Thanksgiving, November 22nd-November 24th.
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Week 44

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Vacation October 30th - November 3rd

Week 43

- 300057 - Mooring Maintenance
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- 901009 - CANON
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- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
- SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 42

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.

- FastAPI for running video tracking processors (similar to cloud workflow) deployed to machine <http://maximilian.shore.mbari.org:8000/docs>
- Dockerizing tools for large-scale batch processing to deploy to doris.shore.mbari.org
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Outlined workflow to backannotate Ctenophora sp. A
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - Processed millidecade netCDFs for 2022 soundtrap recorders in AWS Batch service.
 - Assisting with slides and Dask parallelization to process multiple days for upcoming NOAA SoundCoop Workshop, Boulder, CO October 24-25 2023
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Meeting and request for more time
 - Finished hierarchical saliency detection algorithm
- 902204 - Scalable Robotics
 - Finished docker build and preliminary tests of HelloWorld and quad rotor simulations in RoboMaker. Focused team to discuss next Monday.
- Overhead
 - Stanford and Cal Poly student mentoring
- Out of Office
- SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 41

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- 901009 - CANON
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- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 40

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Week 39

- 300057 - Mooring Maintenance

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Week 38

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Week 37

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- Overhead
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Week 36

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- Out of Office
 - SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 35

- 300057 - Mooring Maintenance
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- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
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- Overhead
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Week 34

- 300057 - Mooring Maintenance
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- 901103 - Biodiversity and Biooptics of Zooplankton
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- Overhead
- Out of Office
 - SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 33

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
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- 901206 - Coastal Profiling Float
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- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 32

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - Working on a rapid prototype of a video ML endpoint; hoping to finish by early next week
 - Working on cluster similarity sort in vars-gridview to accelerate ML proposal corrections
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Deployed database to VM mantis and moved image data to nginx server
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing

- Final millidecade netCDFs jobs for 2017-2023 in AWS. Further reduction in cost to 5 cents per day by running larger batch jobs. Wow!
- Blue whale D check-in with Kanoe
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Deployed database to VM mantis and moved image data to nginx server
 - Need to do a doodle poll to schedule discussion on labeling with the team
- 902204 - Scalable Robotics
 - Discussions with Giancarlo and Eric about scoping tasks for next sprint starting August 17th.
- Overhead
 - Summer intern mentoring
- Out of Office
 - SoundCoop Workshop, Boulder, CO October 24-25 2023

Week 31

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - July 31-Aug 4th

Week 30

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - Working on a rapid prototype of a video ML endpoint
 - Working on cluster similarity sort in vars-gridview to accelerate ML proposal corrections
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Discussion with the team on the next steps
 - Tested loading label taxonomy into our database
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - Processed millidecade netCDFs for 2021, 2022, 2023 in AWS. John Ryan confirms the results match the groundtruth exactly. Cost is 6.5 cents per day for the cloud workflow. Wow! Processing will be migrated to an automated flow in mid-August.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Weekly meeting
 - Tested loading label taxonomy into our database
 - Need to schedule label training and work on label taxonomy
 - Database being moved from a physical machine to the VM manta.shore.mbari.org
- 902204 - Scalable Robotics
 - Hoping to join the next sprint in mid-August
- Overhead
 - Summer intern mentoring

- Danelle is preparing a Zoom presentation on technology for 125 6-8th grade students attending a STEM summer camp on the east coast. This group will be doing an ROV dive and using drones to explore local birds, fishes, and invertebrates in Five Islands Park, New Rochell NY
- Out of Office
 - July 31-Aug 4th

Week 29

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - Working on a rapid prototype of a video ML endpoint
 - Working on cluster similarity sort in vars-gridview to accelerate ML proposal corrections
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Finalized baseline i2MAP data: 80K localizations and 70 classes in CIFAR, COCO, VOC, and YOLO formats for various experiments
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - Continued support to run tests alongside on-premise tests using AWS CDK stack with AWS Batch with Fargate provisioning. So far, so good. The team is nearing finalizing the workflow, which supports running up to 256 days at a time in AWS.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Weekly meetings and project proposal
 - Loading the last 4 missions; need to schedule label training and work on label taxonomy
- 902204 - Scalable Robotics
 - Proposal and project discussions with Eric. Hoping to join the next sprint to ramp up on cloud tasks in a few weeks.
- Overhead
 - Summer intern mentoring
 - Discussions on 2024 projects

Week 28

- 300057 - Mooring Maintenance
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- 901009 - CANON
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- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Generative AI Immersion Days, June 13-15, San Francisco

Week 27

- 300057 - Mooring Maintenance
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- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing

- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Generative AI Immersion Days, June 13-15, San Francisco

Week 26

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Generative AI Immersion Days, June 13-15, San Francisco

Week 25

- 300057 - Mooring Maintenance
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- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
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- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Generative AI Immersion Days, June 13-15, San Francisco

Week 24

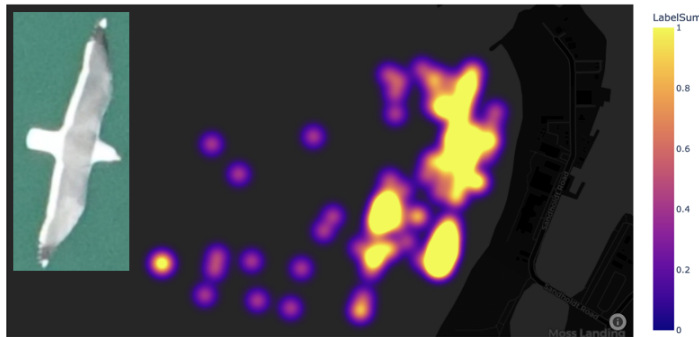
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- Overhead
- Out of Office
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Week 23

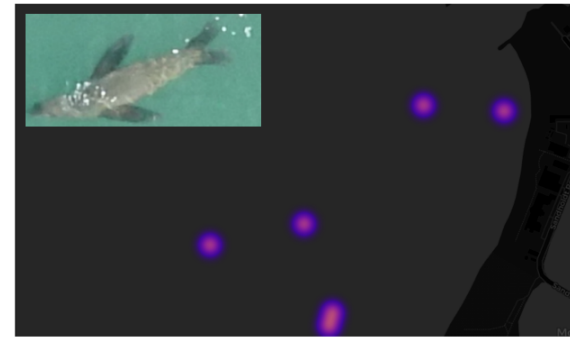
- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - Weekly meeting

- Exploring track cluster similarity to accelerate ML proposal corrections
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Prepared verified and unverified data sets for summer intern
 - Export data to CIFAR format for Duane Vision Transformer training
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - Preparing for running select days in AWS of pypam netCDF generation
 - Fixed disabled cron check on recording computer that was not emailing during recording outages; Symantec flagging recording traffic as possible threat.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Weekly meeting
 - Sanity check: generated heat map display of distribution of detections in annotated drone missions so far.

Seagull Density in 901902-uavs Project Missions



Pinniped Density in 901902-uavs Project Missions



- 902204 - Scalable Robotics
- Overhead
 - Summer intern Tarun Sharma started this week
- Out of Office
 - Generative AI Immersion Days, June 13-15, San Francisco

Week 22

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
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- Overhead
- Out of Office

Week 21

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
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- 902204 - Scalable Robotics
- Overhead
- Out of Office

Week 20

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office

Week 19

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
 - Summer intern overhead
- Out of Office

Week 18

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
 - Summer intern overhead
- Out of Office

Week 17

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float

- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
 - Summer intern overhead
- Out of Office

Week 16

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG.
 - Revised database track view for faster query times with help from Neil's query analyzer tool; next steps are to test this on the dev(postgres) then prod(sqlserver) databases
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Refinement to midwater clustering and setup database and workflow for active learning. Seeing some very interpretable clusters.
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - Generating wav metadata for entire 7 year archive in preparation for running the pypam netCDF generation
 - Livestream server was hung on Windows updates
 - Student discussion and some inquiry on pypam/oceansoundscape pip modules
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Setup database and web app to start editing the detections; expect to have data loaded by next week for the team to start revising.
 - Developed anti-reflectance removal and improved object detection algorithm. Tested this on a recent mission deployment where we deployed a disc test to simulate a jelly target (Bill, Brian, deployed a Secchi disk in 0.5 meters water). Looks like we can detect the target with this method. This is very challenging as the target is very small. Boat was removed with the [Lama cleaner](#) (thanks to Duane E. for the tip).



- 902204 - Scalable Robotics
 - Attended Sebastian Thesis
- Overhead
- Out of Office

Week 15

- 300057 - Mooring Maintenance
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- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing

- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - out-of-office vacation April 3-7th

Week 14

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
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- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - out-of-office vacation April 3-7th

Week 13

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
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- 901206 - Coastal Profiling Float
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- Overhead
- Out of Office
 - out-of-office vacation April 3-7th

Week 12

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- Overhead
- Out of Office
 - out-of-office vacation April 3-7th

Week 11

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG

- Python package deepsea-ai documentation updates and a minor [bug fix](#) to support verifying previously processed videos. Recomputing missing videos from a last large batch job.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - vars-labelbot in progress; an experimental robot to add localized midwater annotations
 - Training data loader tests
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - Team meeting
 - Working on demos for NOAA on using AWS Batch for pypam (open source acoustic package) processing. So far so good; test millidecade CDK fast working and next steps are daily processing CDK stack. Expect to have full cost accounting to report to NOAA sound archive head.
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Workflow with sliced predictions and image clustering is revealing some interesting clusters. More on that next week.
- 902204 - Scalable Robotics
- Overhead
 - Summer interns discussions
- Out of Office
 - out-of-office vacation April 3-7th

Week 10

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
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- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 9

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 8

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 7

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 6

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 5

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing

- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 4

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 3

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
 - The AWS video processing workflow is ready for integration potentially in Q2, pending video lab efforts to understand how to best work with the ML output. This scalable processing workflow has been optimized for cost and can process approximately 70-90 hours of video per day for \$1.50 per recorded video hour. Results are stored in the M3_TRACKS database. A [web dashboard](#) provides an overview.
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
 - Added login to deepsea-ai dashboard and an approval flag to support some bulk editing of track training data through boxjelly
 - SecretsManager testing
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
 - AWS 2023 streaming server windows updates
 - Wrote a colab notebook to demonstrate how to build and run the Earth Species AVES model for collaborator, Kano Aiu
 - Investigating multiple spectrogram representations for Blue Whale classification models
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
 - Ran a few different models in the [HuggingFace](#) repository on aerial images using sliced predictions with the [sahi](#) library that Duane Edgington suggested (thanks Duane!). The intention was to see if these would work to flag class agnostic detections for later review. Some of the detections e.g. bird, boat were accurate, but others were not; this may work fine to flagging visually interesting objects for review

which is the requirement.



- 902204 - Scalable Robotics
- Overhead
 - 2023 planning and performance review materials and feedback
- Out of Office
 - Few sick days
 - Tentative out of office vacation Jan 25, 26, 27

Week 2

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office

Week 1

- 300057 - Mooring Maintenance
- 500055 - VARS, M3/RS, DSG
- 901009 - CANON
- 901103 - Biodiversity and Biooptics of Zooplankton
- 901206 - Coastal Profiling Float
- 901502 - Passive Acoustic Sensing
- 901902 - Unoccupied Aerial Vehicles for Science, Operations, and Outreach
- 902204 - Scalable Robotics
- Overhead
- Out of Office