

Duane Edgington

Week 52

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Holiday/vacation Dec 24 - Dec 31

Week 51

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Continuing test runs/benchmarks of tracking against full resolution 15min benthic videos.
- Overhead
- Out of Office
 - Holiday/vacation Dec 24 - Dec 31

Week 50

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working with Danelle and Kevin B. on year-end tasks
- Overhead
 - WFH Internet outage Dec 14. Storm related?
- Out of Office
 - Back from vacation, Dec 7. Post-international travel 14 day self-quarantine at home until Dec 21.

Week 49

- 500055 - Video Annotation DM
- 901602 - Data TAG
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- 901618 - Pelagic-Benthic Coupling

- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - NeurIPS 2021: Tutorial Machine Learning and Statistics for Climate Science
 - AWS re:invent 2021
- Out of Office
 - Back from vacation, Dec 7. Post-international travel 14 day self-quarantine at home until Dec 21.

Week 48

- 500055 - Video Annotation DM
- 901602 - Data TAG
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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 47

- 500055 - Video Annotation DM
- 901602 - Data TAG
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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 46

- 500055 - Video Annotation DM
- 901602 - Data TAG
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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 45

- 500055 - Video Annotation DM
- 901602 - Data TAG
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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 44

- 500055 - Video Annotation DM
- 901602 - Data TAG
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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 43

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Registered for [NeurIPS2021](#) (virtual, Dec 6 - 14)
- 901618 - Pelagic-Benthic Coupling
 - Great progress by Dan Davis on calibration. Accurate measurement of “artificial critters” targets in situ. Processed images through Zhang matlab camera calibration to measure focal length during image capture June 11 2021. Met with Paul McGill Oct 25.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Continue work on documentation
- Overhead
 - Group meeting Oct 27.
- Out of Office
 - Friday Oct 22. Vacation (get pneumonia vaccine)
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 42

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Working through CoLaboratory and TensorFlow 2 implementations
 - Checked RAID status on DevBox. All up and running, though one disk weak with multiple bad sectors. Replacement drives ordered.
- 901618 - Pelagic-Benthic Coupling
 - Excellent progress by Dan Davis. Teleconference to go over recent calibration work Oct 19. Plan on-site powwow to review calibration procedure, using LaserMeasure, and path forward.
- 901915 - Improving MBARI Data Impact

- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working session on documentation (and documentation tools and format)
- Overhead
 - Group meeting Oct 20.
- Out of Office
 - Friday Oct 15. Personal day (had AT&T Fiber 1000 internet installed!)
 - Friday Oct 22. Vacation (get pneumonia vaccine)
 - Nov. 3 - Dec 6. Vacation (foreign travel)

Week 41

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Sent Mandy project slides for board meeting as requested.
 - Registered with George M. interest in summer interns 2022.
- 901618 - Pelagic-Benthic Coupling
 - Dan Davis made excellent progress applying in-water calibration images from June 11 2021 dive to Laser Measure calibration procedure, yielding a LM calibration file. Next step is to apply this calibration to measuring fly-over of checkerboard and animal targets, as well as benthic transect, from that same dive
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Sprint work October 4-8 and October 11. Great progress. Documentation sprint planned for Oct 14.
- Overhead
 - Group meeting Oct 13.
- Out of Office
 - Monday Oct 11. Rest day after covid vaccine booster shot and flu shot.
 - Friday Oct 15. Personal day (have AT&T install Fiber 1000 internet!)

Week 40

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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
 - Brief discussion with PM on goals and timeline
- 902005 - VARS Annotation Assistance
 - Monday - Friday Sprint on model inference and integration of model output with VARS
- Overhead
- Out of Office

Week 39

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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact

- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Friday Sept 10. Vacation
 - Thursday Sept 9. Medical.

Week 38

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- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Friday Sept 10. Vacation
 - Thursday Sept 9. Medical.

Week 37

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Friday Sept 10. Vacation
 - Thursday Sept 9. Medical.

Week 36

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Working through learning Colaboratory (mounting google drive, etc). And PyTorch.
 - Working through Vision Transformer implementation on Colab
 - Phase 1 response to MT.
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Cleaned up notebooks, AWS SageMaker Studio, to remove unnecessary data repository
 - Message to Kevin G and Danelle C regarding AWS EFS charges and SageMaker studio
- Overhead
 - Engr dept meeting Sept 7
 - SEIE group meeting Sept 8
 - Prep for AWS immersion day presentations.

- Out of Office
 - Friday Sept 10. Vacation
 - Thursday Sept 9. Medical.

Week 35

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Tuesday Aug 24. Vacation
 - Thursday afternoon Aug 26. Personal leave.
 - IJCAI 2021 workshop on Long-tailed distribution learning, and on Continual semi-supervised learning, Aug 19-20. Conference Aug 21-26. Virtual (Montreal time)

Week 34

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - IJCAI 2021 workshop on Long-tailed distribution learning, Outlier detection, and on Continual semi-supervised learning, Aug 19-20. Some excellent presentations. Very relevant to our large unbalanced data streams (like species abundance seen in video).
 - Work on phase 1 MT feedback.
- 901618 - Pelagic-Benthic Coupling
 - Update to Dan Davis collaborator agreement (new text and terms and conditions) signed by Dan and by Duane. In MT hands.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Work on phase 1 MT feedback.
- Overhead
- Out of Office
 - Tuesday Aug 24. Vacation
 - Thursday afternoon Aug 26. Personal leave.
 - IJCAI 2021 workshop on Long-tailed distribution learning, and on Continual semi-supervised learning, Aug 19-20. Conference Aug 21-26. Virtual (Montreal time)

Week 33

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
 - Met with Dan Davis. Passed over to him dive image data from 21Jun2021 for laser measure calibration work.
 - Working on renewal of collaborator agreement with Dan due Aug 22.
- 901915 - Improving MBARI Data Impact

- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - AWS proposal meeting Aug 18
 - Working group session planned Aug 19.
- Overhead
 - SE Info engineer zoom interviews
 - Group meeting Aug 16, 18
- Out of Office
 - Tuesday Aug 24. Vacation
 - IJCAI 2021 workshop on Long-tailed distribution learning, and on Continual semi-supervised learning, Aug 19-20. Conference Aug 21-26. Virtual (Montreal time)

Week 32

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Calls with AWS grant team Aug 11, Aug 5.
- 901618 - Pelagic-Benthic Coupling
 - Our June 21 dive data is ready for Dan Davis for his analysis. I have emailed to set up a time to meet with him and pass over the data.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Built AWS testuser group and user to test workflows we wish to release to users to ensure we have captured required permissions
 - Working meeting planned Aug 12
- Overhead
 - Participating in Software Engineer candidate zoom calls
 - Listened in to some of the intern presentations Aug 11.
- Out of Office
 - Aug 6. Vacation
 - IJCAI 2021 workshop on Long-tailed distribution learning, and on Continual semi-supervised learning, Aug 19-20. Conference Aug 21-26. Virtual (Montreal time)

Week 31

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
 - Finished work on Jun 21, 2021 dive data. Released to Paul M. for review before we send it to Dan Davis for his analysis.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Meeting with Danelle on architecture diagrams
 - Attempted to support Lonny on AWS IAM issue
- Overhead
- Out of Office
 - Aug 6. Vacation

Week 30

- 500055 - Video Annotation DM
- 901602 - Data TAG
 - Reading 2022 proposals
- 901603 - Video TAG: Visualizing Ocean Change
 - Reading 2022 proposals
- 901618 - Pelagic-Benthic Coupling
 - Working on analysis and prep of June 21 dive images
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - Read application packages for SEIE position
 - Live! Group meeting July 28.
- Out of Office
 - July 18 - 24: ICML virtual conference
 - Several AWS Tech talks

Week 29

- 500055 - Video Annotation DM
- 901602 - Data TAG
 - Starting to read 2022 proposals
- 901603 - Video TAG: Visualizing Ocean Change
 - Starting to read 2022 proposals
 - Very relevant tutorials and workshops at ICML 2021 (virtual) on Self-Attention (Transformer) applied to Video and Images, which can provide improved accuracy, performance, scaling and robustness compared to SOTA CNN networks, and on Self-supervised and Long-tail data distribution solutions.
- 901618 - Pelagic-Benthic Coupling
 - Continuing work on 21 June 2021 data. Hope to complete by the end of July in preparation for the next cruise.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - Crissy seminar July 21.
- Out of Office
 - July 18 - 24: ICML virtual conference
 - July 16. Medical appt.

Week 28

- 500055 - Video Annotation DM
- 901602 - Data TAG
 - Project proposal
- 901603 - Video TAG: Visualizing Ocean Change
 - Project proposal
 - NOAA AIASI conference call Jul 12, 2021
- 901618 - Pelagic-Benthic Coupling
 - Working on data from Laser Measure Field Test 21 June 2021
- 901915 - Improving MBARI Data Impact
 - Project proposal

- 902004 - Planktivore
 - Project proposal
- 902005 - VARS Annotation Assistance
 - Project proposal
- Overhead
 - AWS webinar on Genomic data processing. Very interesting.
- Out of Office
 - July 18 - 24: ICML virtual conference
 - July 16. Medical appt.

Week 27

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Worked on 2022 proposal
 - Work on long-tail distribution analysis algorithm evaluation
 - Reading papers from CVPR 2021
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - 2022 proposal reading and work
 - Work on AWS proposal draft
- Overhead
- Out of Office
 - Holiday July 5-6
 - Vacation July 9

Week 26

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Working on 2022 project proposal
- 901618 - Pelagic-Benthic Coupling
 - Plan to work on in-water calibration images and footage taken by Paul McGill during recent cruise.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working on 2022 project proposal
- Overhead
 - Group meeting June 28
 - Work on AWS grant proposal
- Out of Office

Week 25

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Attending CVPR (virtual) conference. Workshops on Tracking, Video, and self-supervised techniques
 - Continuing exploration of VISSL framework, including SEER and DINO implementations

- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - Engineering virtual meeting, June 22.
- Out of Office
 - June 18 - 27 CVPR Virtual conference

Week 24

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Working through FAIR ViSSL framework and open implementations of self-supervised learning systems for vision.
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Meetings with Carlos, Danelle on GraphQL interface to VARS and Vue app
- Overhead
 - Group meeting
 - Cloud abstract/proposal meeting (Discuss AWS non-profit grant opportunity)
- Out of Office
 - June 18 - 27 CVPR Virtual conference

Week 23

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Conference call with Danelle and Carlos regarding graphGL work to integrate output of VAA into M3
 - Continuing Vue training (Vue mastery)
- Overhead
- Out of Office

Week 22

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Conference calls with Carlos and Danelle on VAA Vue app (training metrics)
- Overhead
 - Group meeting (virtual) May 28.

- Out of Office
 - Friday May 28: Vacation.
 - Monday May 31: Holiday
 - May 25-27: Embedded Vision Conference (virtual).
 - June 2: AWS ML Summit
 - June 1 - 4: NOAA AI/ML VIAME training course.

Week 21

- 500055 - Video Annotation DM
- 901602 - Data TAG
 - Read 2022 Abstracts. Attended abstract presentations. Feedback provided.
- 901603 - Video TAG: Visualizing Ocean Change
 - Read 2022 Abstracts. Attended abstract presentations. Feedback provided.
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Continued work on AWS Cloudwatch and SageMaker API / SDK -- gathering metrics from SageMaker training job runs.
- Overhead
 - Group meeting May 24.
 - Dept zoom meeting / seminar May 26.
- Out of Office
 - Friday May 28: Vacation.
 - Monday May 31: Holiday
 - May 25-27: Embedded Vision Conference (virtual).

Week 20

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Continued work on AWS SageMaker Training metric tracking API calls. Demoed some plots.
- Overhead
 - Worked on Cloud abstract
 - Spinning up on Vue and JS.
- Out of Office
 - Friday May 21: Vacation.
 - Wednesday May 19: Medical
 - May 25-27: Embedded Vision Conference (virtual).

Week 19

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - ICLR workshop on weakly-supervised learning techniques
- 901618 - Pelagic-Benthic Coupling

- Processed test images of new checkerboard calibration target for Paul M. in preparation for upcoming cruise. Discovered that visual clutter affects Matlab toolbox acceptance of checkerboard image (which can be mitigated by masking off/lightening non-target areas)
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
 - Returning to task of creating workflow to pull images into VARS (based on existing Frame Grab workflow)
- 902005 - VARS Annotation Assistance
 - Working sessions with Danelle and Carlos regarding Vue app for ML training job summary UI
 - Spinning up on Vue, Quasar/Vuetify, JS.
 - Final meeting with CSUMB capstone project team Wed May 12.
- Overhead
 - Engineering Dept biweekly telecon
 - Weekly group meeting
- Out of Office
 - Vacation Friday May 14.

Week 18

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
 - Ran new test images of new calibration target through Matlab Computer Vision Toolbox (checkerboard calibration) for Paul McGill. Reported resulting calibration parameters for eval.
 - Test dive planned in June.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working through python SDK for AWS Price List Service (Query) API
 - Capstone Project CSUMB weekly meeting
- Overhead
 - Project proposal 2022 workshop on May 4
 - Seminar May 5
- Out of Office
 - May 3 - 7. International Conference on Learning Representations
 - Talks on Self-Supervision for Learning from the Bottom Up (Efros UCB), Is My Dataset Biased? (yes) (Kate Saenko, BU)
 - Workshops May 7: Weakly Supervised Learning, Meta-learning

Week 17

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working on the task to search SageMaker job records for values of interest (Billable time, Spot instance or not, etc). Sprint 2: Train. Good progress. I have the search results in a python dictionary; working through how to harvest and display.

- Meet with the CSUMB Capstone team Friday April 30.
- Overhead
 - Engineering meeting April 27.
 - Seminar April 28.
- Out of Office
 - May 3 - 7. International Conference on Learning Representations

Week 16

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Reading Barlow Twins: Self-Supervised Learning via Redundancy Reduction and LeCun's The Energy-Based view of Self-Supervised Learning [GTC S33268]
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
 - Walking through GraphicsMagick and exiftool tools used to implement framegrab data flow.
- 902005 - VARS Annotation Assistance
 - Working through AWS SageMaker Studio Pipelines and Lambda functions.
 - Weekly meeting with CSUMB capstone students
- Overhead
 - Group meeting
 - Starting "Kubernetes in a month of lunches"
 - MBARI seminar April 21
- Out of Office
 - Vacation April 23
 - NVIDIA GTC virtual conference April 12 - 16

Week 15

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Relevant presentations during GTC conference. Following up on GLOM and Barlow Twins.
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office
 - Vacation April 9
 - Vacation April 16
 - NVIDIA GTC virtual conference April 12 - 16

Week 14

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - NOAA AIASI monthly telecon April 5. Benjamin Woodward from CVIvision gave a presentation on their system implementation for analysis of benthic video transects conducted by NOAA NMFS RV Henry B.

Bigelo ("Bigelo cruise"). NOAA team evaluating Cloud Strategy (Randy Cutter and colleague Sam Woodman) presented their evaluation of GCP sandboxes.

- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Continuing exploration of Cloudwatch metric streams to harvest sagemaker and S3 instance costs
 - CSUMB capstone project team meeting April 7
- Overhead
- Out of Office
 - NVIDIA GTC virtual conference April 12 - 16

Week 13

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Studying paper and code on self-supervised learning method [Barlow Twins](#)
- 901618 - Pelagic-Benthic Coupling
 - Waiting for images from Paul McGill
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
 - Following up on information provided by Mike McCann regarding framegrab processing
- 902005 - VARS Annotation Assistance
 - Working on Sprint 2 task
- Overhead
- Out of Office
 - Medical Appt Friday March 26

Week 12

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Reading recent work from Facebook AI on unsupervised learning technique Barlow Twins
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working on Sprint 2 tasks due March 24 2021.
- Overhead
 - Quarterly checkup meeting.
- Out of Office
 - Medical Appt Friday March 26
 - AWS Tech talks. Lightsail containers, EKS clusters, ECS copilot, MacOS on AWS, oh my...
 - Andrew Ng talk on MLOps

Week 11

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Reviewed intern 2021 candidates, and sent selection to George M.

- Will review intern applicants from CSUMB when their applications are available
- Reviewing papers with code of recent research publications
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Sprint 2 kickoff with Danelle. Looked at tags in S3, ML; discussed sagemaker studio vs command line for end-user engagement.
 - Experimenting with recent updates to Sagemaker Studio
- Overhead
 - Engr group meeting March 16
 - Group meeting March 15
- Out of Office
 - Medical Appt Friday March 26
 - March 17-19 Conference: [International Conference on Pattern Recognition Systems ICPRS-21](#)

Week 10

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
 - Task to document on-shore 2021 image storage and processing plan
- 902005 - VARS Annotation Assistance
 - Team meeting March 4
 - Capstone project team meeting March 10
 - Start of Sprint 2 this week
 - Sprint 1 wrap-up March 8.
- Overhead
 - Group meeting March 8
 - Director's Dialog (watched March 9)
 - Giancarlo Troni Seminar March 10
- Out of Office
 - Medical Appt Friday March 26
 - March 17-19 Conference: [International Conference on Pattern Recognition Systems ICPRS-21](#)

Week 9

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Reviewing recent few-shot learning papers
 - Monthly NOAA teleconference March 1. Huge amount of activity using ML within NOAA fisheries science centers.
- 901618 - Pelagic-Benthic Coupling
 - Laser measure. Paul McGill is preparing to go out on cruise March 9 with the 3 laser system mounted and take test images with the ROV camera of our checkerboard calibration target. This is a test of a new, improved in-water calibration procedure -- no in air calibration is planned.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore

- Conference call with project manager March 1 to go over 2021 project plans.
- 902005 - VARS Annotation Assistance
 - Completed asset AWS tagging proposal. Exploring AWS Tag Editor (very slick).
 - Completing AWS Containers course -- this week is Kubernetes week.
 - Biweekly AWS SageMaker Friday video workshop.
- Overhead
- Out of Office
 - Medical Appt Friday March 5
 - March 17-19 Conference: [International Conference on Pattern Recognition Systems ICPRS-21](#)

Week 8

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Working on Sprint tasks. Tags for tracking costs etc in AWS.
 - AWS Innovation conference Weds Feb 24. AI/ML
 - Weekly meeting with CSUMB capstone team
- Overhead
- Out of Office
 - Medical Appt Friday Feb 19

Week 7

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Meeting with CSUMB capstone project team Feb 17
- Overhead
 - Continuing training in AWS Container infrastructure, including ECS and AWS Secrets Manager
- Out of Office
 - Medical Appt Friday Feb 19

Week 6

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
 - Lots of progress by Dan Davis; plan discussion to map out underwater calibration procedure for next dive opportunity.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Team meetings Feb 10, 11.

- Continuity work on task associated with AWS Fargate and AWS containers
- Overhead
- Out of Office
 - Medical Appt Monday Feb 8

Week 5

- 500055 - Video Annotation DM
- 901602 - Data TAG
 - Discussion with Kevin Gomes, Danelle Cline, on Data Tag task
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
 - Updates to Laser Measure, Laser Calibration from Dan Davis
 - Push updates to BitBucket
 - Working with Dan, communicating with Paul, on attempts to calibrate in-water images collected from last Station M dive. Trying to determine if we have the data we need to do a calibration, and if not, how to design a process for future dives with the 3 lasers.
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - Group meeting, Engineering Dept Zoom meeting
 - Continuing AWS course on Containers on AWS
- Out of Office
 - Medical Appt Monday Feb 8

Week 4

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
- Out of Office

Week 3

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
 - Working on Laser Measure tasks
 - Meeting with Paul McGill Jan 14 to review status and tasks
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - Engineering biweekly telecon
 - Group meetings
 - AWS presentation on new 1u and 2u small Outpost products (for local AWS presence on premise)

- Out of Office

Week 2

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
- 901618 - Pelagic-Benthic Coupling
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
- Overhead
 - Training: taking edX [Building Containerized Applications on AWS](#) course
 - Picture a Scientist Discussion Panel and Virtual Screening
 - Group meeting
- Out of Office

Week 1

- 500055 - Video Annotation DM
- 901602 - Data TAG
- 901603 - Video TAG: Visualizing Ocean Change
 - Returning to NeurIPS 2020 and AWS re:invent sessions that I missed
- 901618 - Pelagic-Benthic Coupling
 - Returning to dive image prep and analysis
- 901915 - Improving MBARI Data Impact
- 902004 - Planktivore
- 902005 - VARS Annotation Assistance
 - Project status, kickoff meeting
- Overhead
 - Group meeting
- Out of Office