

Brent Jones

Week 52

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 51

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 50

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 49

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 48

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 47

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 46

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 45

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 44

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series

- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 43

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 42

- 701149 - Improving pCO₂ estimates
 - Flying spray 29 in support of Yui's experiments
 - Had a CF card failure on spray 29. Recovered and am diagnosing
- 901009 - CANON
 - Recovered Wire Walker that had failures in the data logger. Diagnosed and sent back to RBR Canada for repairs
- 901112 - The Monterey Bay Time Series
 - Deployed and flew daphne in support of monthly time series. Sampler failed
 - Fixed sampler and deployed Daphne on a test sampler mission...success
- 901502 - Soundscape Research and Education
 - Recovered hydrophone deployed on Wire Walker for about a month. Returned to J Ryan and am hoping for the data soon so I can analyze.
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - Making high level diagram of BioAcoustics data flow. Diagnosing errors from Great Lakes deployment
- Overhead
 - Finishing up mechanical design of M1 telemetry system.
 - WF party!
- Out of Office

Week 41

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

- 2 days sick leave (non covid)

Week 40

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - 2 days sick leave (non covid)

Week 39

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Flying Spray 29 in support of Yui's experiments
- 902004 - Planktivore
 - Deployed Spray+Planktivore 2x. Determined Spray is not actually flying. Analysis on flight data and scheming for the future
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Wired up an I2C internal vac sensor for telemetry housing
- Out of Office
 - 2 days sick leave (non covid)

Week 38

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 37

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Deployed Wire Walker with hydrophone + pH. Was not going up and down. Traced problem to too little buoyancy. Added foam and confirmed it is profiling
- 901112 - The Monterey Bay Time Series
 - Prepped, deployed, flying LRAUV daphne in support of MBTS run
- 901502 - Soundscape Research and Education

- 901805 - Coastal Biogeochemical Sensing Program
 - Deployed spray 29 and am piloting in support of Yui's experiments
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 36

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 35

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Investigating Spray OCR two blocking issue. Prepping spray 29 for deployment
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Finishing up mechanical design of M1 cell modem assembly. Waiting for design review hopefully next week
 - Doing config software so we can gain remote access to M1 Cell controller over cell
- Out of Office

Week 34

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - Sick Leave due to Covid exposure

Week 33

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series

- Completed build of new SIPPER and installed on Daphne
- Prepped and flying Daphne in support of MBTS run
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - New antenna for M1 telemetry package is pulling more current than expected. Doing more current measurements and will plan accordingly
 - Implementing low level EmbeddedARM drivers to monitor battery status and send ashore
- Out of Office
 - Sick Leave due to Covid exposure

Week 32

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Rebuilding SIPPER with new ELMO electronics. Requires all new wiring harness and software
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - Sick Leave due to Covid exposure

Week 31

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Continued processing WW data and diagnosing failures
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Recovered Spray 34. Teaching Yui lab people how to offload and process data
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Designing Inspired Energy battery pack for M1 cell telemetry package
- Out of Office
 - Sick Leave due to Covid exposure

Week 30

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead

- Out of Office

Week 29

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 28

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Recovered Wire Walker and processed data
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Recovered Spray 34 and processed data. Flying Spray 29
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
 - 2x deployment, flying, troubleshooting, and recovery of LRAUV Triton
 - Processing AOS data from Triton
 - Learning backseat computer in anticipation of B Raanan leaving
- Overhead
 - Taking current measurements over time for prototype M1 cell telemetry package
 - Proposals
- Out of Office

Week 27

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 26

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore

- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 25

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 24

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 23

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Final bench checks on Spray OCR integration
 - Prep Spray 29 for deployment
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 22

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 21

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 20

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
 - Prepped and deployed CPF
 - Deployed and flying Daphne and Pontus
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Final OCR bracket for Spray sent to production
- 902004 - Planktivore
 - Analyzing data from initial field test. Spray performed 1 dive to 40m
 - Power draw on main batteries presents an issue
 - Flight characteristics hard to analyze due to shallow dive. Need to do a deeper dive
 - Overall HUGE SUCCESS
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Moving offices
 - Working on 2023 project abstract for Wire Walker power generation
- Out of Office

Week 19

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
 - Installed planktivore on spray and successfully ballasted in test tank
 - Deployed Spray+Planktivore offshore and successfully completed 1 dive to 40 m
 - Digesting engineering data from first real dive
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 18

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Diagnosed leak in Wire Walker telemetry package. Packaged up and sent back to RBR CA

- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Designing OCR mount for Spray use
- 902004 - Planktivore
 - Ballasting spray 34 with planktivore attached
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Meetings about 2023 proposals
- Out of Office

Week 17

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Successfully deployed Wire Walker with pH sensor for the first time ever! Unfortunately, telemetry package has once again failed. It did return some data before dying. Entire week was spent prepping and deploying
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 16

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 15

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 14

- 701149 - Improving pCO₂ estimates

- 901009 - CANON
 - Fixing CPF bottom fairing in prep for going out next week
 - Fixing SIPPER code to be more robust next trip
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
 - Ported click detection code to Julia in VScode
- 901805 - Coastal Biogeochemical Sensing Program
 - Drawing up mounting brackets for pH sensor integration on Wire Walker
 - Flew and recovered Spray 34 in support of PIE experiment (Takeshita)
 - Diagnosing poor COMMS performance of Spray 34 last deployment
- 902004 - Planktivore
 - Meetings and discussions centering on mounting contraption to Spray
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 13

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office
 - Last week sick leave

Week 12

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Investigating why CPF lost its bottom fairing on last deployment. Modifying new fairing for installation
 - Beginning prep of Wire Walker for April deployment
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
 - Porting click detection code to MS Visual Code studio. Seems to be working better
- 901805 - Coastal Biogeochemical Sensing Program
 - Flying Spray34 in support of tracking exercise with WG
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Working on FCC microwave license renewal
- Out of Office
 - Last week sick leave

Week 11

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series

- Deployed CPF with dual sediment traps. Emergency recovered a few hours later. Float lost its bottom cap somehow (deployment?) and would not sink
 - Flying Daphne in support of monthly MBTS run
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Completed rebuild and operational check out of Spray34. Deployed and am flying her
- 902004 - Planktivore
 - Met with Larry and reviewed first article housing
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Met with Okuda and learned how to deal with MBARI FCC licensing
- Out of Office
 - Last week sick leave

Week 10

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 9

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
 - Deployed CPF with two sediment traps (first time). Completed 3 day mission and then recovered. Everything worked successfully
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
 - Completed rebuild of Spray hydraulics. Completed integration of modem into Spray. Assembled for initial ballast
- 902004 - Planktivore
 - Meetings
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 8

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead

- Out of Office

Week 7

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Prepping dual Sediment Trap CPF for deployment next week. Finally got it in the test tank yesterday.
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
 - Rewriting Teager click detector in Matlab
- 901805 - Coastal Biogeochemical Sensing Program
 - Meetings
 - Begin degassing hydraulic oil for rebuild of Spray 29 hydraulics
- 902004 - Planktivore
 - Meetings
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 6

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 5

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 4

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
 - Updating CPF code to service 2 attached Sediment Traps
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
 - Extracting click features during known Sperm Whale clicking bouts and attempting a few digital code breaking techniques
- 901805 - Coastal Biogeochemical Sensing Program

- Ordering replacement pressure cases for gliders. Updating schematics
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 3

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office

Week 2

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
 - Piloted Daphne in support of MBTS
 - Meetings
- 901502 - Soundscape Research and Education
 - Quarterly processing of click data
 - Writing conversion utilities for working with click data in python
- 901805 - Coastal Biogeochemical Sensing Program
 - Investigating noise source from last run of 2021
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
 - Online course and test for CA Boater Card. Needed to be Paragon Captain
 - Monthly meeting
- Out of Office

Week 1

- 701149 - Improving pCO₂ estimates
- 901009 - CANON
- 901112 - The Monterey Bay Time Series
- 901502 - Soundscape Research and Education
- 901805 - Coastal Biogeochemical Sensing Program
- 902004 - Planktivore
- 902101 - LRAUV Technology Development and Fleet Operations
- Overhead
- Out of Office