

Rich Henthorn

Week 52

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Nov 29 - Dec 7, COVID and quarantine
 - Dec 19 - Dec 29, vacation

Week 51

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Nov 29 - Dec 7, COVID and quarantine
 - Dec 19 - Dec 29, vacation

Week 50

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead

- Out of Office
 - Nov 29 - Dec 7, COVID and quarantine
 - Dec 19 - Dec 29, vacation

Week 49

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Nov 29 - Dec 7, COVID and quarantine
 - Dec 19 - Dec 29, vacation

Week 48

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 47

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 46

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 45

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 44

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 43

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)

- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 42

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
 - TRN prep for pontus deployment
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Oct 24 - 28, WFH

Week 41

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 40

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle

- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 39

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 38

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 37

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office

- Aug 31 - Sep 16, vacation in Germany, email only
- Sep 19 - 21, WFH post-travel quarantine
- Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 36

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Aug 31 - Sep 16, vacation in Germany, email only
 - Sep 19 - 21, WFH post-travel quarantine
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 35

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Aug 31 - Sep 16, vacation in Germany, email only
 - Sep 19 - 21, WFH post-travel quarantine
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 34

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead

- Out of Office
 - Aug 22 - Aug 30, WFH mostly, pre-travel
 - Aug 31 - Sep 16, vacation in Germany, email only
 - Sep 19 - 21, WFH post-travel quarantine
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 33

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Aug 22 - Aug 30, WFH mostly, pre-travel
 - Aug 31 - Sep 16, vacation in Germany, email only
 - Sep 19 - 21, WFH post-travel quarantine
 - Sep 28 - Oct 6, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 32

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 31

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations

- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 30

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 29

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - EyeRIS - LRAUV Interface updating
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Open enrollment
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 28

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Proposal work
 - LRAUV sim with Rock
 - Refining CoNav - renaming member functions and variables

- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Proposal work
- 902101 - LRAUV Technology Development and Fleet Operations
 - Met with Ben Raanan a couple times regarding the LRAUV Ignition simulation
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 27

- 600034 - Precision Control Technologies for ROVs and AUVs
 - CoNav refinement and testing
 - Some 2023 proposal work
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Dorado code Linux port
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Camera deployment
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 26

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Refining CoNav source code
 - Meeting w/Rock to discuss 2023 proposal
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - Working on new features in EyeRIS LRAUV Interface app (ELI)
- 901101 - Seafloor Mapping
 - Meeting to discuss Dorado QNX porting task for 2023
 - ROV w/TRN simulation meeting
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications

- Attended Gazebo Community Meeting
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Proposal input for 901618 and new SES Event Detection project
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation, email/phone/zoom, mostly available so contact encouraged
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 25

- 600034 - Precision Control Technologies for ROVs and AUVs
 - CoNav dev
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Buoy system monitoring
 - Recovery this week
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
 - Proposal inputs
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Engineering meeting
- Out of Office
 - July 4 - 18, WFH and vacation, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 24

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Some TRN investigation
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Monitoring WEC deployment
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office

- July 4 - 18, WFH and vacation, email, phone, zoom OK
- Aug 30 - Sep 16, vacation in Germany, email only
- Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 23

- 600034 - Precision Control Technologies for ROVs and AUVs
 - TRN Replay for DeltaT data in CSV format
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - EyeRIS LRAUV Interface
 - Camera controller communication
 - LRAUV syslog interface
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Trefoil Controller plug-in module for buoy_sim Gazebo application
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - DOEST
- Out of Office
 - July 4 - 18, WFH and vacation, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation in Germany, email only
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 22

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - CamController serial handling
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Building buoy-sim for development
 - ROS2 and Gazebo
 - Build and test
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation time, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation in Germany, email
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 21

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - Getting the EyeRIS LRAUV Interface (ELI) backup and going
 - Working on the camera controller serial interface and logging
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Refining DoorMan module and the application
 - General monitoring of the deployment
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Thursday May 26, WFH after dentist
 - July 4 - 18, WFH and vacation time, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation in Germany, email
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 20

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - ELI to camera controller serial traffic
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Addressing faulty comms to heave cone controller
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, WFH and vacation time, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation in Europe, email
 - Sep 22 - 29, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 19

- 600034 - Precision Control Technologies for ROVs and AUVs
 - TRN for ROV and LRAUV
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - EyeRIS-LRAUV Interface ramping back up
 - Serial comms to camera controller
- 901101 - Seafloor Mapping
 - Proposal items

- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Monitoring buoy system
 - Working around spotty comms to heave cone
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Proposal items
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
 - Co-Navigation project
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - May 16 - next Monday, WFH
 - July 4 - 18, WFH and vacation time, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation in Europe, email
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 18

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Reviewing results from Feb TRN runs on LRAUV at PL
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Some assistance to ROV TRN
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Monitoring deployment
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
 - Pulled TRN logs from tethys
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
 - Meetings about ROS - Gazebo architecture
- Overhead
 - Proposal Workshop
- Out of Office
 - July 4 - 18, vacation & WFH, email, phone, zoom OK
 - Aug 30 - Sep 16, vacation, email, in Germany
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 17

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Resuming CoNav development
 - Wrapped up first cut at data logging
 - Began next phase: config file, refining, documentation
 - Combing through TRN syslog files to detect convergence
 - No network connection to BSC
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)

- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Working through Rover communication issues
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - July 4 - 18, vacation & WFH, email, phone, zoom OK
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 16

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Integrating Delta T measurements into TRN Replay
- 708167 - WEC Dynamics and Control
 - Successful 1st deployment of 2022 Monday
 - Minor modifications
 - Crossbow AHRS calibration
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Delta T integration
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
 - TRN CoNavigation
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Proposal meetings
- Out of Office
 - April 25 - out of the area, WFH
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 15

- 600034 - Precision Control Technologies for ROVs and AUVs
 - TRN Replay for DeltaT
- 708167 - WEC Dynamics and Control
 - Tested different controller boot failure scenarios
 - Made a couple changes to address unhandled failures
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - QNX-Linux porting
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Tested real-time clock on controller

- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
 - Proposal items
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
 - Placed the shore check-in cron job on collada
- Overhead
 - Engineering Meeting
 - Drove vanpool to MBA Deep Sea Preview
- Out of Office
 - April 25 - out of the area, WFH
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 14

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
 - Met with folks from Open Robotics to discuss grant work
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Building dorado-auv-linux code on an Ubuntu target
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Buoy controller prep for deployment
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Farewells
- Out of Office
 - April 25 - out of the area, WFH
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 13

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Dorado TRN driver rework
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Dorado QNX-to-Linux
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Buoy controller hardware watchdog install and test
 - Duplicating buoy controller system onto larger drive
 - Meeting discussed upcoming deployment
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle

- Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
 - Dock buoy controller design
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - April 25 - out of the area, WFH
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise (final scheduled cruise of the Western Flyer)

Week 12

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Dorado mbtrnpp simulation component
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - March 14 - 25 (this week), vacation & WFH, email & phone OK, MDT timezone
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise

Week 11

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Implementing a shore-to-buoy comms watchdog
 - Controller will open doors if comms is lost for more than 30 minutes
 - Prototype test has been running well for about a week
 - Working on version 2 that will be more flexible and run as a service
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
 - Setting up local watchdog timer on RPi controller
- Overhead
- Out of Office
 - March 14 - 25 (this week), vacation & WFH, email & phone OK, MDT timezone
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise

Week 10

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Dorado vehicles Mapper1 and Mapper2 are now mostly operational with TRN
 - The vehicles can now employ an MB-system-derived app with embedded TRN communicating with a Reson T-50 Multibeam sonar to provide position offsets to the navigation process
 - Attempting to build old auv-linux code for Dorado Linux port
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - RPi controller config
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
 - Castroville visit
 - Hunted (and found) SES images from latest MARS test deployment in 2020
 - Renamed image files from 2011 MARS test deployments to include VARS-style timestamp
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - March 14 - 25 (next 2 weeks), vacation & WFH, email & phone OK, MDT timezone
 - July 4 - 18, vacation & WFH, email & phone OK
 - Sep 21 - 30, Sta.M Cruise

Week 9

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Dorado TRN prep and testing on Carson
 - More cleaning and polishing seems likely before June mapping deployment
- 708167 - WEC Dynamics and Control
 - Installed USB-RS232 adapter on the new controller
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
 - Modified Dorado TRN interfaces to address some issues
 - Enabling MB-system TRN component to insert navigation offsets to Dorado nav
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Moved past RS232 comms issue, at least temporarily, using USB adapter
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Engineering meeting
- Out of Office
 - March 1 - 3 (this week), TRN cruise on Carson
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 8

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Prep for Carson TRN cruise
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Reviewing ROS code on main buoy controller
 - Checking out issue with RS232 hat on RPi4 controller
 - Comms seem to reset requiring processes to reopen serial ports
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - March 1 - 3 (next week), TRN cruise on Carson
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 7

- 600034 - Precision Control Technologies for ROVs and AUVs
- 708167 - WEC Dynamics and Control
 - Installed and built current command application on RPi controller
 - Updating and verifying repo
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Installed and built controller software on new RPi controller
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
 - Logs from recent TRN runs at PL
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
 - Rebuilt, installed, and tested RPi-based controller hardware on buoy
 - Fired-up the spare RPi with duplicated system
- Overhead
 - PCR test for Pargett contact
- Out of Office
 - Feb 14 - 18 (this week), vacation & WFH
 - March 1 - 3, TRN cruise on Carson
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 6

- 600034 - Precision Control Technologies for ROVs and AUVs

- Adding to and improving data logging
 - Reviewing latest TRN logs
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Testing updated software
 - Re-build RPi4 target system 'torque' after disk error
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Sta.M - deployed Rover, SES, and Dual-Camera tripod
 - Demobilization
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Feb 14 - 18 (next week), vacation & WFH
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 5

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Integrating CoNav DAT measurement cleaning into application
 - CoNav class data logging
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Sta.M cruise prep and mobilization
 - Western Flyer cruise to Sta.M
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
 - Kickoff meeting with Open Robotics
 - Verified Michael's ROS2 implementation of controller commands
- Overhead
 - Engineering Meeting
- Out of Office
 - Feb 1 - 5 (this week), Sta.M Cruise
 - Feb 14 - 18, vacation & WFH
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 4

- 600034 - Precision Control Technologies for ROVs and AUVs
 - CoNav syslogging
 - CoNav development

- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Updated repo with changes from latest deployment
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Rover ready to deploy
 - SES carousel motor debugging - hall switch bulkhead connector and cable
 - SES mission prep
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Jan 24 - 28 (this week), vacation & WFH
 - Feb 1 - 5 (next week), Sta.M Cruise
 - Feb 14 - 18, vacation & WFH
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 3

- 600034 - Precision Control Technologies for ROVs and AUVs
 - Finishing touches on data-logging
 - Computation debugging
 - Syslogging
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Michael Anderson onboarding
 - Tidying repo
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Rover cables and connectors refurbished/replaced and tested OK
 - Rover operations testing at the tank - vehicle seems ready to go
 - SES prep
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Annual Review: prep and review
- Out of Office
 - Jan 24 - 28 (next week), vacation & WFH
 - Feb 1 - 5, Sta.M Cruise
 - Feb 14 - 18, vacation & WFH
 - March 14 - 25, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 2

- 600034 - Precision Control Technologies for ROVs and AUVs
 - CoNav data logging - almost finished
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
 - Kickoff meeting
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Some bad connectors discovered after observing flakey comms
 - Weekly meeting
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
- Out of Office
 - Jan 24 - 28, vacation & WFH
 - Feb 1 - 4, Sta.M Cruise
 - Feb 14 - 18, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise

Week 1

- 600034 - Precision Control Technologies for ROVs and AUVs
 - CoNav testing and data logging
- 708167 - WEC Dynamics and Control
- 800139 - EyeRIS (Remote Imaging System)
- 901101 - Seafloor Mapping
- 901221 - Midwater Time Series
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 901618 - Pelagic-Benthic Coupling and the Carbon Cycle
 - Benthic Rover component tank testing prep for Feb deployment
- 902101 - LRAUV Technology Development and Fleet Operations
- 902106 - Niobicon-Based AUV Docking Development
- DQ2032 - DOE Wave-Energy Control
- Overhead
 - Meetings
- Out of Office
 - Jan 24 - 28, vacation & WFH
 - Feb 1 - 4, Sta.M Cruise
 - Feb 14 - 18, vacation & WFH
 - Sep 21 - 30, Sta.M Cruise