

Justin Tucker

Week 30

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
 - Finishing up Doc Ricketts Lift Point Analysis Report
 - Finishing up draft Stanford ME170 Sr. capstone project requirements documents
- Out of Office

Week 29

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
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- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office

Week 28

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping

- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office

Week 27

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
 - Doc Ricketts lifting analysis
- Out of Office

Week 26

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - 6/5-6/12

Week 25

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV

- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - 6/5-6/12

Week 24

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - 6/5-6/12

Week 23

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Finalized various small parts to shop and orders for assembly
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
 - Hovering Module CAD export and extrinsics support
 - CG CB measurement support
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Energy sim cross check against various model setups HoloOcean, Stonefish, Gazebo
 - Sample bathymetry mesh generation
- DQ2533 - UW Tidal Turbine
- Overhead
 - eDNA sample collection prints
 - Stanford Capstone project outline
- Out of Office
 - 6/5-6/12

Week 22

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - out 5/22
 - Tentative 6/1-6/12

Week 21

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Continued work on Subsea housing endcap mod
 - Continued work on Subsea housing chassis design
 - Endcap PRV test fixture design
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
 - CG/CB separation measurement test plan
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Gazebo Sim Basic setup
 - Prep for Sim handoff to Vicente
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - out 5/22
 - Tentative 6/1-6/12

Week 20

- 300078 - DMO Support - AUV
 - Continued work on Capture head design review
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Continued work on subsea housing electronics layout
- 902004 - Planktivore

- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
 - Heading sensor housings being machined
- 902208 - Mini ROV Operations
 - Heading sensor housings being machined
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Continued work on SUBOFF CFD benchmarking
- DQ2533 - UW Tidal Turbine
- Overhead
 - Collection bucket eDNA sample holder design
- Out of Office
 - Tentative 6/1-6/12

Week 19

- 300078 - DMO Support - AUV
 - Capture Head design support
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Battery housing endcap and subsea housing support
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
 - Propeller optimization setup
- 902204 - Scalable Robotics
 - VN100 housing support
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Drag and added mass simulation setup
- DQ2533 - UW Tidal Turbine
- Overhead
 - General CFD benchmarking
 - Continued work on DARPA's SUBOFF geometry generation and validation
- Out of Office
 - Tentative 6/1-6/12

Week 18

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations

- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office

Week 17

- 300078 - DMO Support - AUV
 - DP AUV capture head, continued work
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Battery endcap and Docking subsea housing design, continued work
- 902004 - Planktivore
 - General CFD scaling setup see Overhead
- 902101 - LRAUV Technology Development
 - Coordinate system exports for Gazebo Sim
- 902204 - Scalable Robotics
 - Heading housing design, continued
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Continued work automating thrust curve ingestion into simulator.
 - General CFD scaling setup, see overhead
- DQ2533 - UW Tidal Turbine
- Overhead
 - General CFD workflow and server setup. Ongoing work with DeepRip2 and secondary servers. SLURM job submission now working correctly
 - Optimizing the CFD workflow for container investigation.
- Out of Office

Week 16

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Continued work on subsea housing, and battery housing endcap
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
 - Continued work on VN100 housing
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Work on thruster orientation
 - Thruster spec sheet curve digitization script
- DQ2533 - UW Tidal Turbine

- Overhead
 - Continued work on compute node configuration and job scheduling for CFD workflows.
 - DeepRip2 CPU heat generation and fan noise investigation
 - Passive eDNA sample holder for ROV deployment
- Out of Office

Week 15

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - OOO 3/27-4/3

Week 14

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - OOO 3/27-4/3

Week 13

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Battery endcap design
- 902004 - Planktivore
 - CFD batch run configuration on DeepRip2 for ANSYS and OpenFoam
- 902101 - LRAUV Technology Development

- 902204 - Scalable Robotics
 - VN100 housing design
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Continued work on energy usage simulation and thruster positioning
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - OOO 3/27-4/3

Week 12

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - Fridays through March 2026

Week 11

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Pressure relief valve design
 - Endcap design
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
 - Kinematic path energy estimation
- DQ2533 - UW Tidal Turbine
- Overhead
 - Claude solidworks integration
- Out of Office
 - Fridays through March 2026

Week 10

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Wave climate data processing
 - Battery Housing endcap design
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
 - Carbon test tube bond prep
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - Fridays through March 2026

Week 9

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
 - Mini ROV target holders for deployment and recovery
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
 - Mooring analysis for Amazon deployment
 - DAKOTA setup and training for design of experiment management
- Out of Office
 - Fridays through March 2026

Week 8

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping

- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - Fridays through March 2026

Week 7

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
 - High performance PV investigation
 - ANSYS installation on DeepRip2
 - RV DP LARS prepwork
- Out of Office
 - Fridays through March 2026

Week 6

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - Fridays through March 2026

Week 5

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development

- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - Fridays through March 2026

Week 4

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
 - Mooring design analysis
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
 - LARS test weight design
 - LARS sim updates
- Out of Office
 - Fridays through March 2026

Week 3

- 300078 - DMO Support - AUV
- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
- Out of Office
 - Fridays through March 2026

Week 2

- 300078 - DMO Support - AUV

- 901405 - Wave-Energy Conversion for Oceanographic Applications
- 902004 - Planktivore
- 902101 - LRAUV Technology Development
 - Carbon tube coupon test follow up
- 902204 - Scalable Robotics
- 902208 - Mini ROV Operations
 - Thruster, combo ring, first parts fit tests
- 902504 - Scalable Semantic Mapping
- 902606 - Low Altitude Survey AUV
- DQ2533 - UW Tidal Turbine
- Overhead
 - New project planning
- Out of Office
 - Fridays through March 2026