

Brent Jones Sorted By Project

901112 - Monterey Bay Time Series

- Investigating why SPI is not working on new PIC32 design (Week 4)
- Prep and deploy first ever Spray2 from MBARI (Week 6)
- Deploy LRAUV Daphne in support of MBTS (Week 7)
- Characterizing new power supplies for Viper radios at Mt Toro. (Week 13)
- Building 1U power supply setup for Vipers (Week 13)
- Diving into Oasis download software to better understand how viper radio data transfers work (Week 14)
- Finished building switched power supply for Toro vipers. Ready to head up the mountain (Week 14)
- Energy budget for M1 mooring (Week 16)
- Coding alert system for power consumption on M1 in anticipation of installation of wave energy sensor (Week 17)
- Rebuilding clogged SIPPER sampler (Week 18)
- Replumbed and rebuilt sipper. Testing for MBTS run next week (Week 19)
- Diagnose SIPPER errors during Synchro mission (Week 23)
- Testing claude's ability to code for the PIC32. Trying to wedge in an SD card (Week 24)
- SIPPER failed again. Traced to faulty Maxon EPOS4. Figuring out what to do (Week 27)
- Working on integrating a RTCC in the SIPPER (Week 29)
- Added RTCC to SIPPER pic32 design (Week 30)
- Added 500psi surface mount pressure sensor to pic32 SIPPER (Week 30)
- Pic32 PCB board additions (see above) (Week 30)

901502 - Ocean Soundscape

- Recover, clean, de mob wire walker (Week 4)
- Wire Walker data retrieval (Week 4)
- mtg (Week 17)
- Wire walker prep. Swapping in 250m cable (Week 23)
- WW prep (Week 24)
- WW telemetry package not communicating with inductive modem. Diagnosing (Week 24)
- Wire Walker deployed (Week 27)

901805 - Coastal Biogeochemical Sensing Program

- Stuffing NanoFETv2 batt and digital board (Week 4)

- Cable drawings for NanoFETv2 (Week 4)
- Bringing up nanoFET2 pcb's (Week 6)
- Bringing up NanoFET2 Durafet board. Wiring, etc (Week 7)
- Replace bad OSC on NanoFET2 digital board and now we are cooking with gas (Week 7)
- Mechanical design of nanofet2 (Week 9)
- Received first mechanical pressure case parts. Initial build (Week 17)
- Diagnosing non verbal CF2 controller (Week 18)
- Diagnosing COMMS error in new Nfet2 board stackup (Week 23)
- Diagnosing RS232 comms issue with new nanoFETv2 (Week 24)
- Stuffed and bringing up another nanoFETv2 elox package (Week 24)
- Update counter electrode design to add chamfer (Week 27)
- Change alkalinity flowcell to accommodate Lionix (Week 27)
- Finished the alkalinity flowcell. Sent to manuf (Week 29)
- Reviewing design for test fixture cap (Week 30)

902004 - Planktivore

- Deploy LRAUV Ahi (Week 7)
- Recover LRAUV Ahi (Week 9)
- Recovered Ahi and downloaded data (Week 13)
- Created and testing automated data download and mission prep script (Week 13)
- Deployed Ahi (Week 14)
- Debugging data download script (Week 14)
- Emergency LRAUV recovery from Packard (Week 16)
- mtg (Week 17)
- mtgs (Week 18)
- Meeting (Week 19)
- meetings (Week 23)

902101 - LRAUV Technology Development

902111 - Carbon Flux Ecology

- Prepping Benthos modem for upcoming cruise (Week 13)
- Prepped Sed Trap Benthos modem and deck box for upcoming cruise (Week 14)
- Packard cruise (Week 16)
- Clean up after Packard cruise (Week 17)
- Prepping CPF for deployment (Week 18)
- Deployed and recovered CPF + snocam (Week 19)

Out of Office

- 1 day vacation

Overhead

- Getting Mt Toro Starlink mounts made (Week 7)
- Install Starlink on Mt Toro (Week 9)
- Trip to Mt Toro to install new Viper radio power supplies. (Week 17)
- EE tech interviews (Week 18)
- Resurrected M1 Sierra wireless for backup system if Starlink ever goes down.
Beginning code interface with OASIS controllers (Week 23)
- EE-tech interviews (Week 29)