

Kevin Gomes Sorted By Project

200105 - Core Navigation - MDUC

- Updated loggers to use new SMD implemented power flags (Week 2)
- Revamping the Packard simulator to use real data files from the Packard since it's been at sea now (Week 4)
- Assisting with some change that broke a NMEA feed for the AUV team on the Carson (Week 5)
- Getting the Packard dialed in again after firewall change and networking breaks. (Week 6)
- A round of updates on both ships to bring OS up to date as well as align spare machine with mains. (Week 15)
- Implemented logger/LCM Bridge to API for Ricketts control system data so we can log and monitor turns counter and vehicle heading (from the vehicle itself) (Week 19)

200109 - Core Mooring Data - MDUC

- Trying to get started by looking through database schema and business logic in SSDS (Week 6)

300057 - Mooring Maintenance

- Troubleshooting some mooring instability issues (Week 4)
- Troubleshooting download issues with Karen and Jared (Week 5)
- Meeting to discuss the change from microwave to Starlink for Mt Toro connection for AIS and Viper radios (Week 6)

300059 - DMO Support - RV David Packard

- Bring up after being down over the holidays (Week 2)
- Writing support tools for Andy and Erlind to use while working on the LARS system on the Packard. They are for realtime monitoring and charting of the data coming from the ship and the LARS system (heave, roll, pitch, tether tension, motor speeds, etc.) (Week 5)
- More discussions about CTD GUI and configuration changes (Week 6)

300062 - DMO Support - Doc Ricketts

- Helping Ben with CTD configuration (Week 6)

300070 - DMO Support - Ventana

- Monitored Ventana's first dive to make sure everything worked after all the networking changes (Week 4)
- Troubleshooting UHS serial feed issues (Week 21)
- A little remote troubleshooting (Week 23)

300079 - DMO Support - RV Rachel Carson

- AUV group used to have a NMEA feed from somewhere on the dry lab network and that has disappeared. Wasn't related to navproc that I can tell, but helping find alternatives. (Week 5)

701147 - MARS O&M IV

706008 - READi-net

- Meeting and getting started on the Google sheet issue list (Week 5)
- Working on pulling Brent's PR and building card to test new more stable SD image partitioning and then to try and put puck reader code in same image. (Week 6)
- Lots of support for deployments in Brazil, Montana (Week 15)
- Merged pull request from Brent to combine puck reader code with Readinet web app on one RockPi, need to test more before deploying on remaining USGS FIDO's. (Week 15)
- Implemented fix for restart of web app interrupting running sample (Week 19)
- Imaged all the rest of the RockPis for USGS and installing in FIDO's (Week 19)
- Working on way to update FIDO-006 with fix which is already in Montana (Week 19)
- Ordered different WiFi dongles to use 5GHz network (issues on the Packard) (Week 21)

901205 - ESP SURF Center

- Incorporating Brent's changes to try and make the SD card images more robust to power cycling (Week 4)

901221 - Midwater Time Series

901805 - Coastal Biogeochemical Sensing Program

902403 - Expedition DB Modern

- Getting restarted on the data loading side of the API (Week 5)
- Met to talk about authentication schemes for API and X-API-Tokens (Week 6)

- Starting to migrate older python/perl scripts to more modern python with Prefect, Prometheus and Grafana. (Week 15)
- Starting to integrate BFF pattern with Quarkus API and Entra for SSO (Week 21)
- Working on connecting new auth template to REST API (Week 23)

Out of Office

- May 13-14: Vacation
- May 26-28: Vacation
- Sep 21-24: Oceans conference
- Aug 25-27: Monterey Data Conference
- Jun 29 - Jul 1 : Vacation

Overhead

- Performance reviews starting up (Week 2)
- Cleaned up 2025 weekly reports and did a clean run to summarize the year. Then overhauled the weekly report to reflect 2026 project assignments and updated code to move to new year. (Week 2)
- Performance review preparation (Week 4)
- My performance review material prep (Week 4)
- Sending feedback for reviews (Week 4)
- Lots of performance review stuff (Week 5)
- Group meeting to kick off tech talks (Week 5)
- Migrated all Confluence content to static websites, de-coupled from Crowd which was the integration with our active directory system so we could decommission the SQL server in the DMZ (dione). (Week 6)
- Performance reviews (Week 6)
- Proposal workshop meetings/prep (Week 15)
- Working on proposal form automation into Adaptive Insights (Week 15)
- LRAUV candidate interviews (Week 15)
- Oceans 2026 LOC activities (Week 15)
- Weekly Report script debugging (Week 15)
- Abstract presentation on FAIR data proposal (Week 19)
- Catching up from a couple days off (Week 21)
- Oceans 2026 stuff (Week 23)
- Met with Joe to discuss Slack notification related to ship activity (Week 23)