

706008 - READi-net

Week 28

1. Enoch Nicholson
 - a. FIDO packing for the Newport deployment
 - b. Supporting intern project

Week 25

1. Enoch Nicholson
 - a. READI-Net assembly modeling; added parts and fasteners and wrapped most insertion tasks, with BOM nearly ready to hand off
 - b. Set up FIDO on the dock
 - c. Reviewed phase separator drawings

Week 24

1. Enoch Nicholson
 - a. Reprogrammed FIDO5
 - b. Continued FIDO wrap-up documentation and finalized open items
 - c. Met with Jim to plan BOM completion; focus on parts inventory and data cards
 - d. Continued cylinder assembly
 - e. Onboarded summer intern Brooke

Week 21

1. Kevin Gomes
 - a. Ordered different WiFi dongles to use 5GHz network (issues on the Packard)
2. Enoch Nicholson
 - a. Investigated puck metadata for Brazil deployment
 - b. Provided troubleshooting support to USGS

Week 20

1. Enoch Nicholson
 - a. Completed shipping prep including nitrogen leak checks and leak-rate calculations confirming systems OK to ship
 - b. Terminated pumps and reprogrammed pump controllers; verified operation before shipment
 - c. Investigated logs from Brazil deployment

Week 19

1. Kevin Gomes
 - a. Implemented fix for restart of web app interrupting running sample
 - b. Imaged all the rest of the RockPis for USGS and installing in FIDO's
 - c. Working on way to update FIDO-006 with fix which is already in Montana

Week 17

1. Enoch Nicholson
 - a. Merged code branches into test-ready sampler firmware version
 - b. Reinstalled vacuum pump valve with new hardware. Showed able the process

Week 16

1. Enoch Nicholson
 - a. Delivered FIDO vacuum-check fix to Montana; installed and running on FIDO 6
 - b. Established revised vacuum sensor limits

Week 15

1. Kevin Gomes
 - a. Lots of support for deployments in Brazil, Montana
 - b. 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.
2. Enoch Nicholson
 - a. Completed Bozeman elevation troubleshooting and filed root-cause case study
 - b. Began vacuum fix to FIDO sampler code branch
 - c. Investigated FIDO 6 nitrogen capsule depletion anomaly (volume counter / suspected slow leak)
 - d. Delivered READI-Net summary to USGS
 - e. Scoped FIDO vacuum valve install for mechanical wrap-up

Week 14

1. Enoch Nicholson
 - a. Packard Deployment of FIDO
 - b. Supporting Bozeman FIDO deployment

Week 12

1. Enoch Nicholson
 - a. Setting up for Packard install

Week 11

1. Enoch Nicholson
 - a. Vacuum Sensor modifications

Week 7

1. Enoch Nicholson
 - a. Migrated FIDO design files to MBARI vault

Week 6

1. Kevin Gomes
 - a. 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 5

1. Kevin Gomes
 - a. Meeting and getting started on the Google sheet issue list
2. Enoch Nicholson
 - a. Performed nitrogen leak and feature testing on FIDO

Week 4

1. Enoch Nicholson
 - a. Completed nitrogen sensor install on FIDO 8
 - b. Pushed nitrogen sensor firmware feature