

701145 - Penguin Hotspots

Week 52

1. Paul McGill
 - a. Continuing work on machine learning to identify sonar targets

Week 31

1. Jon Erickson
 - a. All the parts for the EK-80/gimbal/REMUS have been delivered and installed.
2. Paul McGill
 - a. Still dealing with sonar noise issues on REMUS vehicle. Adding a cap between computer ground and chassis has helped a lot but there are other problems.

Week 30

1. Jon Erickson
 - a. The foam finally arrived from Ideal Instruments. Perfect fit.
 - b. Had to grind on the shroud parts to make them fit. Cut the tolerances too close.

Week 29

1. Jon Erickson
 - a. REMUS EK-80 parts and assembly is done, except for the foam flotation. Arrives today.

Week 28

1. Jon Erickson
 - a. We've received all the shroud parts for the REMUS. Will start assembly tomorrow.

Week 27

1. Jon Erickson
 - a. Waiting on the shell (shroud) parts to be delivered. "Some assembly required".

Week 25

1. Paul McGill
 - a. Tested AOS sensors after potting and all are okay.

Week 24

1. Paul McGill
 - a. Got AOS sensors tested, repaired, and molded
 - b. Got sonar payload #2 wired enough for Chad W. to finish

Week 23

1. Jon Erickson
 - a. Still doing assembly. Both gimbal assemblies are done. Waiting on the flow shell parts from vendors.
2. Paul McGill

- a. Assembling and wiring the second REMUS sonar payload.

Week 22

1. Jon Erickson
 - a. Have almost all the parts on order or in hand. Still trying to acquire the foam flotation.
 - b. Shell parts are due the end of June. Will need to be glued up here.

Week 21

1. Paul McGill
 - a. Wired AOS sensors to test before potting

Week 20

1. Jon Erickson
 - a. Working on weight and balance for the EK-80 Gimbal assembly on Remus. Right now we are too heavy.
2. Paul McGill
 - a. Working on getting AOS accelerometers potted. We are short of techs this week.

Week 18

1. Jon Erickson
 - a. Still fighting the parts battle to acquire parts in time.
 - b. Fixing a less than adequate bracket design.
 - c. Waiting on a second titanium frame nose frame.

Week 15

1. Jon Erickson
 - a. I'm a month behind and probably won't make the May sea trial with U. Mayland. Had a talk with Chad, not sure how he will de-scope. Just can't get all the parts in in time.

Week 13

1. Jon Erickson
 - a. Working on outside vendors for fiber parts(G-10)
2. Paul McGill
 - a. Tested power supply for second REMUS sonar. Assembling chassis with Chad W.

Week 12

1. Paul McGill
 - a. Building second sonar payload for Remus AUV.

Week 10

1. Paul McGill
 - a. Assembling second REMUS Sonar payload chassis.

Week 9

1. Jon Erickson
 - a. Finishing the Gimbal Assembly.

2. Paul McGill

- a. Tested wiring for Remus sonar payload w/Chad and everything seems to be working. Will proceed with building second payload.

Week 7

1. Jon Erickson

- a. Still trying to assemble the gimbal parts. Aaron is fixing the EK80 electronics cases.

2. Paul McGill

- a. Mounted AOS PIC24 board to sonar chassis and am working with techs to get it wired.

Week 6

1. Jon Erickson

- a. Paul M. has the tilt board to mount on the EK-80 electronics
- b. Aaron is machining the pressure case tube to fix the mistakes.
- c. Still working on gimbal assembly.

Week 5

1. Jon Erickson

- a. Still doing assembly on the gimbal parts. Seeking vendors for the shell parts connected to REMUS

2. Paul McGill

- a. Gave AOS PIC24 board to Jon E. for mounting. Working out discrepancies in hole spacing with Brent J.

Week 3

1. Jon Erickson

- a. Starting assembly of EK80 gimbal assembly for REMUS

2. Paul McGill

- a. Corrected errors on sonar payload system schematics and gave prints to Chad.
- b. Built test cables and programmed firmware onto 4 new AOS boards. Reviewing code to see if I can fix some shortcomings.

Week 2

1. Paul McGill

- a. Put final details on sonar payload schematics
- b. Working with John F to get last copper shield parts made

Week 1

1. Jon Erickson

- a. All the gimbal parts have arrived. Need to order hardware for assembly.