

902402 - CSEM

Week 50

1. Johann Voigtlander
 - a. CSEM successfully deployed twice.
 - b. Coordinated logistics for deployment

Week 49

1. Johann Voigtlander
 - a. Completed schedule
 - b. Mobed on Fulmar

Week 48

1. Johann Voigtlander
 - a. Getting everything ready for MOB

Week 46

1. Johann Voigtlander
 - a. Setting up the last few things before deployment

Week 45

1. Johann Voigtlander
 - a. Wrote up a deployment procedure
 - b. Edited deployment video with annotations

Week 44

1. Johann Voigtlander
 - a. Using 2 winch setup, rewiring the black winch to use 240V 3-phase.

Week 41

1. Johann Voigtlander
 - a. Met with Capitan of Fulmar to discuss deployments
 - b. Investigating power requirements for the black winch
 - c. Purchased waterproof housings for the GPS loggers

Week 39

1. Johann Voigtlander
 - a. Organized fabrication of winch mounting plate
 - b. RMA a broken GPS logger

Week 38

1. Johann Voigtlander
 - a. Purchased GPS loggers, programmed and tested them
 - b. Purchased winch -> fulmar power adaptor cable
 - c. Working with Mike Conway for CSEM repairs/fulmar compatibility

Week 37

1. Johann Voigtlander
 - a. Purchased GPS dataloggers

Week 36

1. Johann Voigtlander
 - a. Wrote up SWAN deployment and recovery procedure for permit
 - b. Organized line replacement of frayed rope
 - c. Ongoing communications with R.V. Fulmar, R.V. Shana Rae, and R.V. John Martin for CSEM cruise later this year.

Week 32

1. Johann Voigtlander
 - a. Talked to Jean from NOAA, trying to book a CSEM slot later this year

Week 31

1. Johann Voigtlander
 - a. Met with Steve Constable, a CSEM expert and talked about the system and potential upgrade points
 - b. I am working with Eliana to determine the timing between the start of the transmission and when the sensors first detect the signal

Week 30

1. Paul McGill
 - a. Met with Steve Constable to discuss our deployment of the SWAN CSEM system
2. Johann Voigtlander
 - a. Met with Steve Constable and brainstormed on CSEM upgrades

Week 29

1. Johann Voigtlander
 - a. Organizing ship time for either later this year or early 2025

Week 28

1. Johann Voigtlander
 - a. Proposal submitted

Week 27

1. Johann Voigtlander
 - a. Refurbished the transmitting antenna

Week 26

1. Paul McGill
 - a. Edited 2025 proposal

Week 25

1. Paul McGill
 - a. Helping Aaron M with next year's proposal
2. Johann Voigtlander
 - a. Prepped a few cables for potting repair
 - b. Developed data processing logic for the datalogger GUI in LabVIEW

Week 24

1. Johann Voigtlander
 - a. Refurbished one of the transmitter electrodes
 - b. Wrote a labview program to connect to the triggerbox and dataloggers via TCP.
Trying to decode the binary data

Week 23

1. Johann Voigtlander
 - a. Bought and configured a GPS receiver for the triggerbox

Week 22

1. Johann Voigtlander
 - a. Stored the bulk of the gear @ESB
 - b. Purchased GPS receiver for trigger box, and investigated GPS options for the buoys
 - c. Refurbished one of the transmitters

- d. Drying out receivers for long-term storage

Week 21

- 1. Johann Voigtlander
 - a. Working on shipping logistics to bring the SWAN system to MBARI from Germany.

Week 20

- 1. Johann Voigtlander
 - a. Working on spare parts/budgeting

Week 19

- 1. Johann Voigtlander
 - a. Successful CSEM trip in the North Sea April 22 - May 6th on the R.V. Alkor
 - i. Gear should be shipped within the next week to the US
 - ii. Compiled manual to connect, change settings, deploy, and retrieve CSEM instruments

Week 18

- 1. Paul McGill
 - a. Did some reading on signal processing for CSEM to better understand what's important during operation at sea.
- 2. Johann Voigtlander
 - a. On RV Alkor in the North Sea. Learning the CSEM system.

Week 14

- 1. Johann Voigtlander
 - a. Preparing for CSEM trip in mid-April

Week 12

- 1. Johann Voigtlander
 - a. Working out logistics for the April trip

Week 11

- 1. Johann Voigtlander
 - a. Organizing dates & flights to Kiel, Germany

Week 6

- 1. Johann Voigtlander

- a. Submitted CSEM vessel proposal

Week 3

- 1. Johann Voigtlander
 - a. Organizing R.V. Fulmar for Sept. Cruise