**SeaBird37 Post-Deployment:**

Setting up file folders and directories for each crate in a deployment and/or a single deployment crate (Steps are repeated on the fluorometer and CTD post-deployment instructions, but only need to be completed **once for each crate per deployment**.

1. Create a Deploy Data File if one does not currently exist in the Frying Pan Shoals project folder. Within the deploy data file, create a folder labeled as “BOEMTest#\_startDate\_endDate”. The pound resembles the deployment number and the date should be in a format similar to previous deployments or as follows (EX. Start date: 062923 and End date: 063023). The folder should look similar to this format “BOEMDeploy\_1\_062923\_063023”.
2. Within the BOEMTest folder, create a folder for the individual crates in the deployment (Ex: Crate1)
3. Within the crate# folder:
   1. Instruments: (only create the folder if the instrument was on the specified crate). These folders will hold the raw output files from the instruments’ specific software. The specified folder names are needed for the \_load.m functions to pull the correct raw file for each instrument.
      1. RRBtri
      2. RDI\_WH
      3. SBE37
      4. RBRsoloT
      5. NortekSig
      6. C6

SeaTerm Software

1. Open the following link to begin filling out the SBE37 Log for post-deployment info.
   1. [SBE37 checklist.xlsx](https://uncw4-my.sharepoint.com/:x:/r/personal/suandas_uncw_edu/Documents/Documents/Students/Summer_2023/Summer2023_Mclawhorn/SB37/SBE37%20checklist.xlsx?d=w1e4b1c77b41a48a6b24de70b2a8fe181&csf=1&web=1&e=sD6BW1)
2. Open “Seaterm”. If using a computer without a com import, an adapter will be needed to connect to the SB37 along with the appropriate cord to plug into the instrument. The com import number will need to be specified if being used to connect to the instrument for the first time. The number specification can be found in the computer's settings when connected to the computer (Ex. COM8).
3. Press the “Connect” figure to connect to the instrument.
4. To communicate with the instrument to stop logging enter
   1. S> “stoplogging”
5. Enter the prompt S> “ds” in the command line to display the instrument's current settings. Record the number of samples taken to compare with your intended length of deployment.
6. Next, click the upload figure and select your upload parameters. The number of samples taken can be seen in the display settings that are generated after clicking the upload figure. Click “OK”
7. Enter any comments in the window that is generated.
8. Next, select the file folder SBE37 within the specified BOEMTest\Crate# folder. Click “Open”. The program will start downloading the data from the SBE37 to the .asc file.
9. After the file has been downloaded, select the stop figure then the disconnect figure. The instrument can now be unplugged, and the dummy plug needs to be reinstalled.
10. The .asc file can be read and interpreted into a data structure by a function called “SBE37\_load”.
11. Advance to “RawtoL0\_ MATLABprocessing.docx”