**SeaBird37 Post-Deployment:**

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 where the file is to be saved on the PC. 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 “SB37\_process\_deployment”.
11. Open Matlab and create a script. The .asc files directory and the full filename will be the input for the SB37 function. The function will output a structure containing the recorded pressure, temperature, conductivity, and time.