**RBR Tridente Pre-Deployment Setup:**

1. Screw off the red cap and connect the USB-C to the RBR tri and plug in the USB to a PC. Open the software “Ruskin.exe”. The instrument's connection should be available upon opening the software. Check the SN on the “RBRconcerto3 \_ \_ \_ \_ \_ \_” tab with the SN located on the side of instrument.
2. Select the tab for configuration and begin by choosing a time zone for which the clock will be set to collect data. Either “Local” or “UTC”.
3. Next, select a date and time when the instrument is to begin sampling or check the “Now” box to start sampling after deployment configurations have been enabled.
4. Next, select the mode and rate at which the instrument is to sample for during the length of the deployment.
   1. Mode: “Continuous”
   2. Rate: “00:01:00”
5. The “End:” prompt provides the battery and storage capacity for the selected sampling scheme. The sampling options should be selected based on the battery’s life for the intended number of days the RBRtri will be actively sampling.
6. Next, Select the battery type that is currently installed.
7. To save the configuration settings select “Enable”. The current memory will be erased once a new configuration has been set. Select “Erase and enable logging” to continue.
8. The instrument can be disconnected, and the red cap can be reinstalled.

**RBR Tridente 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 “BOEMTest1\_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

Recovering Data from the RBRtri:

1. Screw off the red cap and connect the USB-C to the RBR tri and plug in the USB to a PC. Open the software “Ruskin.exe”. The instrument's connection should be available upon opening the software.
2. Under Configuration, select “Stop” to turn off the configuration settings. The software will prompt you to select a file output location for the “.rsk” file.
3. The .rsk file should be downloaded to the specific deployment name and crate folder.
4. Advance to “RawtoL0\_ MATLABprocessing.docx”