SBE

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QUICK REFERENCE - SEASAVE V7

Note: This document provides the basics on Seasave V7 setup and use. See the Seasave V7 manual for complete details.

Setting Up Data Acquisition:
1. Select *Configure Inputs*. Dialog box opens:
    A. On Instrument Configuration tab, click *Open* button. In dialog box, select configuration file (.con or .xmlcon) for your instrument and click *Open* button (this file was provided by Sea-Bird when instrument was purchased; if you swap sensors, add auxiliary sensors, want to append GPS data, etc., file must be updated.)
    B. On Instrument Configuration tab, click *Modify* button to view configuration file. Verify setup matches your instrument. For most cases, set *Scans to average* to 1. Double clicking on a sensor brings up a dialog box with its calibration coefficients; verify these match your instrument. When done reviewing setup, click *Save* button to save any changes, and then click *Exit* button.
    C. On Serial Ports tab, verify serial ports match how instrument, deck unit, etc. are connected to computer. Baud rate must match baud rate set in instrument, deck unit, etc.
    D. On Water Sampler tab, set up water sampling (if applicable).
    E. Click *OK* button when done.

Setting Up Display of Data and/or Plots:
1. To add a new display window: Select *Display → Add new . . . window.* Go to Step 3.
2. To modify an existing display window: Right click in window you want to change, and select *Modify*. Go to Step 3.
3. In display setup dialog box, select desired display parameters, etc. Click *OK* button.

Saving Setup (setup includes everything done to this point):
Select *File → Save Setup File as.* In Save As dialog box, browse to desired output file location. Enter desired file name (Seasave adds .psa extension to name), and click *Save* button.

Acquiring Real-Time Data:
1. Select *File → Open Setup File.* In Open dialog box, browse to location of .psa file (see Saving Setup above), select file, and click *Open* button.
2. Select *Real-Time Data → Start*. Start Real-Time Data Acquisition dialog box opens.
    A. Select *Begin archiving data immediately* to save data to a file.
    B. Click *Select Output Data File Name* button. In dialog box, browse to desired file location, and enter desired output data file name (Seasave adds .hex extension to name).
    C. Verify that instrument configuration file shown is correct; if not, click Configure Inputs button and select correct file (see Step 1A in Setting Up Data Acquisition above).
    D. Set timeouts: Suggested value for *Timeout in seconds at startup* is 60 seconds, and for *Timeout in seconds between scans* is 10 seconds.
    E. (if using a Sea-Bird Deck Unit) Turn on power to Deck Unit.
    F. (for SBE 19, 19*plus*, 19*plus* V2, or 25 CTD) Move switch on CTD to On to start logging.
    G. In Seasave's Start Real-Time Data Acquisition dialog box, click *Start* button.
    H. (if using with water sampler) Select *Real-Time Control → Fire Bottle Control*. Click *Fire Bottle* button as desired.
    Note: You can modify a display while acquiring data; see Setting Up Display of Data and/or Plots above.
3. When done with cast:
    A. Select *Real-Time Data → Stop*.
    B. (for SBE 19, 19*plus*, 19*plus* V2, or 25 CTD) Move switch on CTD to Off to stop logging.
    C. (if using a Sea-Bird Deck Unit) Turn off power to Deck Unit.

Viewing Archived Data:
1. Select *File → Open Setup File.* In Open dialog box, browse to location of .psa file (see Saving Setup above), select file, and click *Open* button.
2. Select *Archived Data → Start*. Playback Archived Data dialog box opens.
    A. Click *Select Data File* button. In dialog box, browse to location of data file, select file, and click *Open* button.
    B. Verify that instrument configuration file shown is correct. If not, click Instrument Configuration tab and select correct file (see Step 1A in Setting Up Data Acquisition above).
    C. Make desired selections for scans to be included in playback, etc.
    D. Click *Start* button.
3. When done with playback: Select *Archived Data → Stop*.