2026 CTD Data Information:

DATA FORMAT:

For all data collected with **UWT Seabird 19 Plus CTD** the columns of data are as follows:

B=Pressure (db); C=Temperature (deg. C); D=Conductivity (mS/M); E=DO Voltage; F=Fluorescence(Wetlabs ECO-FL)(mg/m3);G=Transmission (%); H=DO (ml/l);I=DO(mg/l);J=DO(%sat);K=Salinity(PSU);L=Potential Temperature(deg.C);M=sigma-t(kg/m^3); N=sigma-theta (kg/m^3); O=Depth (m); P=#samples/1 db bin

For all data collected with **UWS R/V Carson Seabird 911 CTD** the columns of data are as follows:

B=Pressure (db); C=Temperature (deg. C); D=Conductivity (mS/M); E=DO Voltage; F=Fluorescence(Wetlabs ECO-AFL)(mg/m3);G=Transmission (%); H=pH; I=PAR (umol photons/cm^2sec); J=altimeter (m); K=DO (ml/l);L=DO(mg/l);M=DO(%sat);N=Salinity(PSU);O=Potential Temperature(deg.C);P=sigma-t(kg/m^3); Q=sigma-theta (kg/m^3); R=Depth (m); S=#samples/1 db bin

For all data collected with **FHL Seabird 19 Plus CTD** the columns of data are as follows:

B=Pressure (db); C=Temperature (deg. C); D=Conductivity (mS/M); E=DO Voltage; F=Fluorescence(Wetlabs ECO-AFL)(mg/m3); G=Turbidity (NTU); H=pH; I=DO (ml/l);J=DO(mg/l);K=DO(%sat);L=Salinity(PSU);M=Potential Temperature(deg.C);N=sigma-t(kg/m^3); O=sigma-theta (kg/m^3); P=Depth (m); Q=#samples/1 db bin

TO PLOT IN EXCEL:

Open Excel

Find ___.cnv file you wish to plot and open it – (Note: remember to look for all files types not just .xlsx) (If your version of excel does not open the import wizard directly you will have to go to data & import data and then follow the import wizard steps below)

Click Delimited & Next

Click Spaces & Next

Click Finish & save as an excel file

You will see Seabird header about station and processing – then you will see your columns of data

Cut header and stick on another sheet before plotting.

NOTE: When you look at your excel file if you see -99's in a row that means bad data and you should delete that whole row of data.

Save your excel file once you have made these edits.

Plotting:

Use the XY Scatterplot option in excel with smooth lines.

You can plot individual station profiles of various parameters like temperature, salinity etc. versus depth in this excel file – just remember that the Y axis will be depth and X will be temperature, salinity etc.

Next go into Axis options for the vertical axis (Y – in this case depth) and choose values in reverse order since we want to plot profiles from 0 downward towards the bottom of the water.

Remember to label all axes on your graph including units, put on a station key/legend and give your graph a title.

If you want to plot multiple stations on one plot say of temperature vs. depth can combine your separate station profiles of data together in 1 work book with multiple sheets – 1 for each station, Then you can pull the parameters you want for each one into a new combined sheet and plot them together on the same graph.

See example of multi-plot on Canvas.