CC1704SH Underway Data Processing Notes

No information on UW system flow was available.

The available variables from these files are:

COG – course over ground (deg)
SOG – ship speed over ground (knots)
WindSpeed – wind speed (m/sec)
WindDir – wind direction (deg)
AirTemp – air temperature (deg C)
AtmPres – atmospheric pressure (mb)
RelHum – relative humidity (% saturation)
TSG_Temp – water temperature measured by the TSG SBE 21 unit (deg C).
TSG_Sal – water salinity measured by the TSG SBE 21 unit (PSU).

ChlFluor – chlorophyll fluorescence (volt). The instrument must have malfunctioned. No meaningful correlation between ChlFluor and CalCOFI bottle Chl values was observed.

Derived variables are:

Pred_Temp – temperature derived from calibrations of TSG_Temp vs. CalCOFI 0 to 12 m bottle temperatures (deg C)
Pred_Sal – salinity derived from calibrations of TSG_Sal vs. CalCOFI 0 to 12 m bottle salinity (PSU)
Pred_Chl – chlorophyll derived from calibrations of ChlFluor vs. CalCOFI 0 to 12 m bottle Chl a (ug-Chl/L). All values are set to NaN.