Original raw data uploads from the FLNTUSB units > Averaged, processed Matlab-ready text files.

Each file is named by station, nominal ECO depth, S/N.

LB1\_005M\_ECO\_735.raw > LB1\_005M\_ECO\_735\_AVG.txt & LB1\_005M\_ECO\_735\_AVG\_Depth.txt

LB1\_015M\_ECO\_736.raw > LB1\_015M\_ECO\_736\_AVG.txt

LB1\_030M\_ECO\_738.raw > LB1\_030M\_ECO\_738\_AVG.txt

LB2\_075M\_ECO\_739.raw > LB2\_075M\_ECO\_739\_AVG.txt

LB3\_171M\_ECO\_740.raw > LB3\_171M\_ECO\_740\_AVG.txt

Files are text files, tab delimited. Factory calibrations were used.

S/N's 735, 736, 738, and 739 are averages of 3 consecutive 1 s readings every 6 m.

To conserve memory and battery life, LB03's Mooring S/N 740 read only a 1 sec value every 6 min; consequently, 740 Turb SD and 740 Chl SD are left blank.

Times are in GMT.

Note that S/N 735 has 2 files, the AVG\_Depth file has a special format that includes average temperature and R/V Savannah CTD-aligned depth data.

So, 735 Depth Avg and 735 Depth SD are actual depth data; all other "7S/N Depth" are nominal depths assigned to each mooring.

The timestamps are originally in the format MM/DD/YY HH:MM:SS. I converted them to numbers to the eight decimal point using Microsoft Excel's epoch whereby 1/01/1900 = 1.00000000.

Variable names are in each header with the following naming convention:

735 Datetime Avg 735 Depth Avg 735 Depth SD 735 Temp Avg 735 Temp SD

 735 Date+Time 735 Depth 735 Turb Avg 735 Turb SD 735 Chl Avg 735 Chl SD

 736 Date+Time 736 Depth 736 Turb Avg 736 Turb SD 736 Chl Avg 736 Chl SD

 738 Date+Time 738 Depth 739 Turb Avg 738 Turb SD 738 Chl Avg 738 Chl SD

 739 Date+Time 739 Depth 739 Turb Avg 739 Turb SD 739 Chl Avg 739 Chl SD

 740 Date+Time 740 Depth 740 Turb Avg 740 Turb SD 740 Chl Avg 740 Chl SD

On 7/10/12, the variables above were renamed as:

Datetime\_Avg\_735 Depth\_Avg\_735 Depth\_SD\_735 Temp\_Avg\_735 Temp\_SD\_735

Datetime\_735 Depth\_735 Turb\_Avg\_735 Turb\_SD\_735 Chl\_Avg\_735 Chl\_SD\_735

Datetime\_736 Depth\_736 Turb\_Avg\_736 Turb\_SD\_736 Chl\_Avg\_736 Chl\_SD\_736

Datetime\_738 Depth\_738 Turb\_Avg\_738 Turb\_SD\_738 Chl\_Avg\_738 Chl\_SD\_738

Datetime\_739 Depth\_739 Turb\_Avg\_739 Turb\_SD\_739 Chl\_Avg\_739 Chl\_SD\_739

Datetime\_740 Depth\_740 Turb\_Avg\_740 Turb\_SD\_740 Chl\_Avg\_740 Chl\_SD\_740