Model Accuracy: WARNINGS

1. Your computer must be set to Zulu time. This allows the LOG file to be "time-stamped" in the same way that the GRIB files are created (i.e., in Zulu time).

2. The Expedition Sailing software must be set to "magnetic mode" within the settings tab. The True Wind Direction captured in the LOG file must be captured as a magnetic value. Model Accuracy applies the appropriate variation as applicable to the GRIB files.

3. The height of your anemometer (wind instruments on your mast) must be entered in meters. This measurement is from the waterline to the anemometer (birdie and cups).

4. Model Accuracy will read only .grb and .grb2 type GRIB files.

5. The time selected for the analysis MUST be covered by both the LOG files and GRIB files, or else the analysis will not work.

Model Accuracy: NOTES

1. It is recommended that you keep all of your GRIB files organized by Zulu run time in separate folders, as you download them. When you run an analysis, create a new folder of all the GRIBs you want to analyze and specify that folder as outlined in Step 3 of the instruction manual.

2. It is recommended that you rename each GRIB file that you download. This is can be tedious, however it helps you quickly identify each individual grib file for future analysis, and ensures as a navigator you ALWAYS know off which GRIB you are using.

   Example:

GFS_04Jun16_0000z + 96 hrs.grb	8/13/2017 8:21 PM	GRB File

   Here the navigator has renamed a GFS GRIB file so that it is clear that this GRIB is the 0000 Zulu run from June 4th 2016 and has a 96 hr forecast. This provides quick reference not only for the Model Accuracy analysis, but also for navigating.

Model Accuracy: Analysis Mode definitions

Most Recent GRIB Analysis mode: compares the freshest GRIB data to the boat LOG data.
Example: if you get a new GRIB every 6 hours then the oldest GRIB data that you will be analyzing in this mode is 6 hours old. This is a broad and general analysis to determine which GRIB is doing well at predicting weather. (most common analysis)

Single GRIB Analysis mode: compares a single chosen GRIB file (one source, one delivery time) to the boat log data.
Example: COAMPS 0000Z_06hr……96hr.

Stepped Analysis mode: compares a chosen GRIB delivery time of all the GRIBs in the folder, by examining in small blocks of time within the overall analysis timeframe set by the user. The user can choose the hour blocks of time to compare within the overall analysis (6 hr, 12 hr, 18 hr, 24 hr). This mode is helpful to see the trend more clearly of when each GRIB's forecast gets inaccurate. The stepped mode outputs the results in "blocks" of times analyzed.
Example: