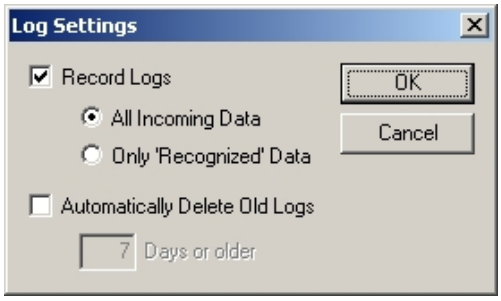
Globe Set-up Instructions

<u>To do at beginning of each leg:</u>

Logging streaming NMEA data into file

- To make sure that the data logging function is properly set up and turned on, go to the "Log Settings" in the "File" pull down menu.
- The boxes for "record logs" and "all incoming data" should be checked. The box for "automatic deletion of old logs" should be unchecked.
- Data are logged in *.glg file by day in the *\Globe\Log directory



Set up track logging to record continuously

Select "New…" from the "Tracks" pull down menu.

- Provide a filename. Example for a filename, "C:\globe\track_Arcturus_leg1"
- Click "Save".
- Under track items check color and depth. Click OK.
- Select "Recording Intervals…" from the "Tracks" pull down menu
- Check the "Time" boxes and enter the value **<u>0.2 minutes</u>** for time. Click OK.
- This information should be collected continuously throughout the survey unless you're at anchor or at a dock.
- The RED DOT at the top of the window is toggled "on" when recording.
- **Create a new tracks file each leg.**

Logging data in Microsoft Access

There are three types of data in Globe: **lines**, **marks** and **tracks**.
There is a **separate** Access database for each type of data. These databases can have any filename you wish and there can be an unlimited number of these Access databases for each data type. If it is a mark Access database file, there must be a table named "**marks**". If it is a line Access data file, there must be a table named "**lines**". If it is a track Access data file, there must be a table named "**track**". The marks, lines, and track tables each have a unique format, and latitudes and longitudes for all files types are in radians.

Data files can be stored and accessed in any directory, however, default directories where Globe software looks for these Access database files when you try to open them are:

C:\Globe\Marks……for the marks.mdb files
C:\Globe\Lines……for the lines.mdb files
C:\Globe\Tracks……..for the tracks.mdb files

Multiple marks, lines, or track files can be open simultaneously by holding down the CTRL key when selecting files to open.

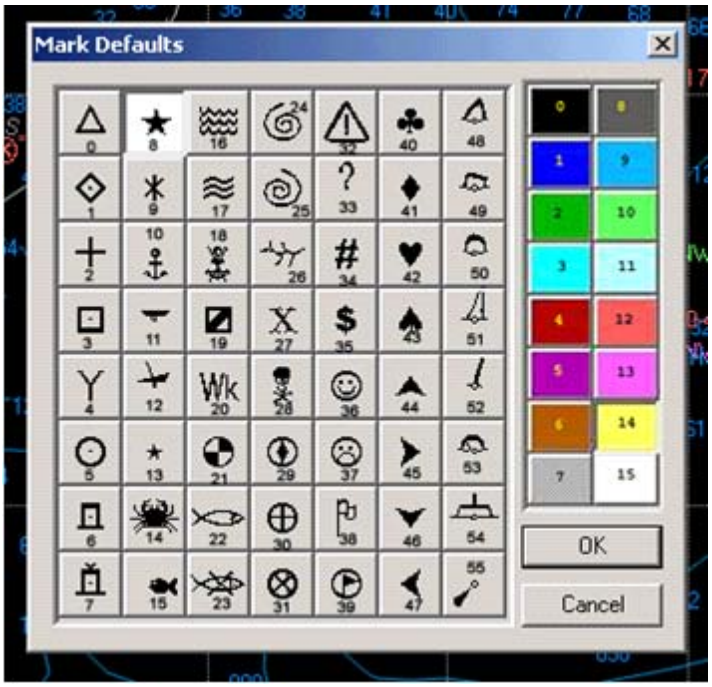
To minimize confusion, all the EBS 2008 globe *.mdb files were placed in the default directories and the filenames begin with the type of data contained within the database.

C:\Globe\marks\marks_*.mdb are marks.mdb files
C:\Globe\lines\lines_*.mdb are lines.mdb files

marks_*.mdb

- Marks are point data that may contain other information. To access information about a mark, right click on the center of a mark symbol and click on "Mark Info". There may be information about the trawlability of a station, bottom composition, or the depth, catch (kg), and performance of a previous tow. **You may add new information about a station to the comments box.**

- Legend for marks colors and symbols:



Following is a list of available Globe Marks files:

- **EBS_STATION_MARKS.mdb** - contains the marks for the 376 stations that will be sampled in 2008.
- **EBS"X"_GOODBAD_MARKS.mdb** – contains historical haul data including information about each haul on performance and other things. The "X" in the file name refers to the year in which the survey was conducted. Thus, you can look at marks from individual years or from multiple years by opening multiple files. Note that only recent years have individual files. Old survey marks are lumped into one file.

lines_*.mdb files

- The line data are a series of points (at least two points) that define a line. They are used to display the strata boundaries, the grid cells, the historical tow information, cable crossings, and special projects. Null values in the latitude and longitude columns are used to separate one line from another.

- Lines can only vary by color and width, and do not have any other information associated with them.
  "Width" attribute in the Access table controls the width of a displayed line
  - -1 is one pixel width,
  - -2 is two pixel width, etc.

Following is a list of available Globe Lines files:

- **EBS_GRID.mdb** - the 20 nm X 20 nm EBS sampling grid
- **EBS"X"GOODBAD_LINES.mdb** - lines to accompany the above Marks file depicting the each survey tow
- **POLLOCK_STRATA.mdb** – high and low sampling density strata for pollock otolith sampling