RAOB – How to quickly plot a Time-Height Diagram, using a multi-sounding file of soundings containing necessary DTG* (date-time-group) information …

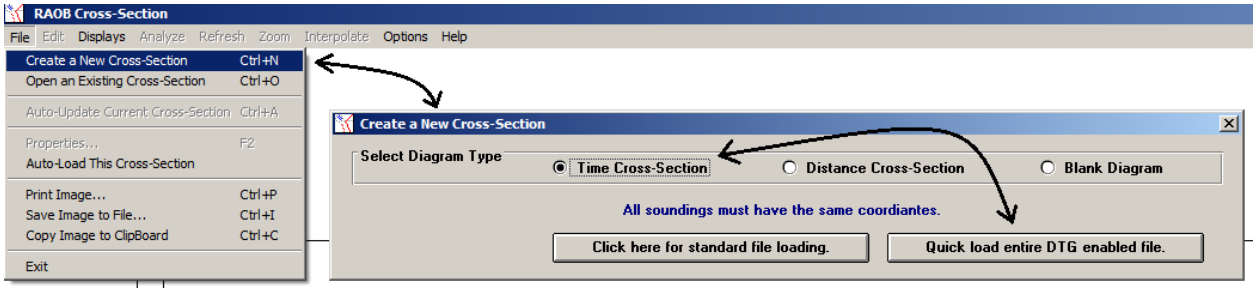
1. Start RAOB, then enter the Cross-Section mode using the Displays menu (or F6).

   You could now select File, then "Auto-Load This Cross-Section" to automatically open RAOB in this diagram mode.

2. Select File, then the "Create a New Cross-Section" option.

3. Select "Time Cross-Section" for a Time-Height diagram.

4. Select the "Quick load entire DTG enabled file" button (see image below).



5. After you identify which datafile you want to use, you will then see RAOB load and pre-process all soundings in your datafile as it creates a diagram dataset. Depending on how many soundings are in your datafile, this process will take a few seconds.

6. You will then be prompted to enter a filename for the time-height diagram dataset, which can quickly be recalled at a later time by using the File menu's "Open an Existing Cross-Section" option.

7. Your newly named time-height diagram will then be plotted.

   7a. You can now select the Analyze menu (or with your mouse just right-click anywhere to the left of the diagram boundary) to select various analyses.

   7b. You can also adjust the diagram using the Options, then Diagram Options Menu (or just right-click the mouse anywhere over the diagram).

   7c. You can also plot a mini-Sounding of any of the diagram's component soundings by moving the mouse over the diagram until a "hand" shaped mouse pointer appears, and left-click the mouse.

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* DTG enabled files are those soundings that contain date/time information in the following format … YYYY-MM-DD HH:NN:SS (where N = minutes)