1. It would be great to name the file to be saved, along with the directory. Then this file name could be saved to the parameter file on exit, so next time, that name is set as the default. This would allow the user to just increment the file name, modify date, etc. as desired.

This seems kind of dangerous. Very easy to click through the warning and overwrite a data file. Suggest that we keep track of the previous directory, but not autofill the filename. I’ll leave it to you, but that’s my opinion. Users click things.

- Above should ask before allowing user to overwrite an existing file.

Done

(2) The ability to pick probe names and depths from a configuration file is great. Please put these depths in m instead of cm. Then the gradient calculations will be exactly right.

- Looking at the latest listing…the file currently starts with:

probe0 T01 0.000

probe1 T02 0.200

probe2 T03 0.400

probe3 T04 0.600

probe4 T05 0.080

probe5 T06 0.100

…

For consistency of operation, would be best if we had this instead:

probe0 T01 3.200

probe1 T02 3.000

probe2 T03 2.800

probe3 T04 2.600

probe4 T05 2.400

probe5 T06 2.200

…

Our convention is to consider the deepest sensor as T1, so this would be greatest depth. I think that if you make this change, you will have to reverse the order used for calculating the gradient, so those values remain positive.

- Please put the depth on the pull-down menu, along with the probe ID. So menu would show:

T01 3.200

T02 3.000

…

Done

(3) This function is great: File 🡪 Export Snapshot

This writes to PDF, has full record of what is shown on screen.

- Top now shows "Snapshot"

Please change to "Filename" (as specified earlier) so this will be record of penetration (or more than one, if probe is left running).

Done

- Change snapshot display to be relatively thin lines (instead of symbols), maybe 1 pt thickness?

(4) We don't need this function:

File 🡪 Save Data as …

Done

There were never symbols. What we saw by doing a heavy zoom was overlapping line segments. Lines are rectangular, so if one can picture where the line goes through a point, unless the line is horizontal, the segments of the line will overlap causing a protrusion. Reducing the line thickness will make this effect look less significant.

Changed line thickness on the printed plot to one point. On the screen plot, it’s still 2 pts.

(5) Update table of data shown at top of screen, so that column 1 is the record number, corresponds to the plot that displays data.

Done

(6) When we are ready, I'll work on updating the HTML help menu, will break into parts, basic program function and operation during a survey…will be good to get input from full team on this as well…

OK. I’ll help also.