

516-76 jes 7/25/73

LOCAL DATA PLOTTING

A plotting program has been written to enable DDP-516 users to plot data on a "GLANCE G" scope. The input file format is identical to that used by GEPlot (516-47).

The program may be called from either the system or fsnap executives as follows:

SYS? GPLOT,FILE1,FILE2 (optional)

or

FSNAP- GPLCT,FILE1,FILE2 (optional)

FILE1 is the data input file which should comply with the standards given in the GEPlot manual. FILE2 is an optional output file which will be filled with the binary scope vectors which make up the particular graph. This file may be viewed quickly by the command:

SYS? GLANCE,FILE

or

FSNAP? GLANCE,FILE

where FILE is the name of a GPLOT generated output file.

A binary file may be generated on a terminal other than a scope, and the viewed on the scope via GLANCE. The GPLOT program will not overwrite any file with its output file, if given the name of an already existing file it will respond with a "CAN'T CREATE OUTPUT FILE" message. If GPLOT is called from a terminal other than a scope and an output file is not specified, it will return the query "WHAT OUTPUT FILE?", and return to the executive. If GLANCE is attempted from a terminal other than a scope, it will return a "WRONG TERMINAL" message. Suitable error messages will be returned if errors are found in the GPLOT input file.

When a plot appears on the screen, the two center buttons will be labeled "NEXT" and "DONE". The DONE button will return the user to the executive, the NEXT button will display the next frame if there is more than one frame in the file. Depressing the next button when there are no more frames will result in the reply "INPUT FILE ERROR".

This program is still in the developmental stage. A full manual is forthcoming upon completion. If a user finds any bugs or has any suggestions, please contact J. E. Steinhart (Extension 6874).