YPLOT

PURPOSE
An internal variable into which the vertical coordinates of the most recent plot are stored.

DESCRIPTION
Whenever DATAPLOT generates a plot, it saves the horizontal and vertical coordinates of each point plotted in the internal variables XPLOT and YPLOT. For 3d plots, it stores the second horizontal axis coordinates in the variable X2PLOT. The coordinates are saved in the units of the data, not in the DATAPLOT 0 to 100 coordinates. These variables can be used in any way that a user created variable can.

SYNTAX
None

EXAMPLES
BOOTSTRAP PLOT Y
LET Y2 = YPLOT
HISTOGRAM Y2

. Generate a frequency table
HISTOGRAM Y
SET WRITE DECIMALS 3
PRINT XPLOT YPLOT

. Generate a table of medians
MEDIAN PLOT Y GROUP
SET WRITE DECIMALS 3
PRINT XPLOT YPLOT

DEFAULT
None

SYNONYMS
None

RELATED COMMANDS

TAGPLOT	=	An internal variable that contains the trace identifer of the points from the most recent plot.
XPLOT	=	An internal variable that contains the horizontal coordinates from the most recent plot.
X2PLOT	=	An internal variable that contains the coordinates from the second horizontal axis from the most recent 3d plot.
PLOT	=	Generate a data of function plot.

APPLICATIONS
Plotting

IMPLEMENTATION DATE
Pre-1987

PROGRAM
        SKIP 25
        READ LEW.DAT Y
        .
        DEVICE 2 OFF
        PERIODOGRAM Y
        DEVICE 2 ON
        .
        LET A = VARIANCE Y
        LET TEMP = YPLOT/A
        LET X = XPLOT
        TITLE NORMALIZED PERIODOGRAM
        PLOT TEMP X