... TIC MARK LABEL CASE

PURPOSE

Specifies the case of the labels associated with the major tic marks on subsequent plots.

DESCRIPTION

The case can be either upper, lower, or as entered on the command line. This command only applies if alphabetic labels are being printed (i.e., the TIC LABEL CONTENT command is used).

Unless ASIS is specified, the case the text is entered on the command line is ignored. The UPPER or LOWER argument is used to specify the default case and the UC() and LC() character sequences within the text are used to shift case. The ASIS clause is the more convenient way to enter case shifts, but this is not available in older versions of DATAPLOT.

SYNTAX

<prefix>TIC MARK LABEL CASE <UPPER/LOWER/ASIS>
where <prefix> is one of the following:

X1	refers to the bottom horizontal side;
X2	refers to the top horizontal side;
X	refers to both horizontal sides;
Y1	refers to the left vertical side;
Y2	refers to the right vertical side;
Y	refers to both vertical sides;
no prefix	refers to all 4 sides;

and   UPPER specifies upper case, LOWER specifies lower case, and ASIS specifies that the case is preserved as entered on the command line.

EXAMPLES

TIC MARK LABEL CASE ASIS
TIC MARK LABEL CASE
X2TIC MARK LABEL CASE LOWER

NOTE 1

The TIC MARK LABEL CASE command sets the default case. Case changes signified by the LC() and UC() character sequences within text strings are still honored. The UC() and LC() case shifts are supported for both hardware and software generated characters.

NOTE 2

For tic labels, it is often desirable to have a "blank" label. This is accomplished by entering SP() (the space character) for the label. This works for both hardware and software generated characters.

NOTE 3

It is rare to assign different cases to tic mark labels on the 4 different sides. Whatever case is chosen for tic labels on one side is invariably chosen for all sides. The most common form (by far) for this command is the general one (with no prefix, as in TIC MARK LABEL CASE LOWER) which defines the case uniformly for tic mark labels on all 4 frame sides.

NOTE 4

A ...TIC MARK LABEL CASE command with no arguments reverts the setting to default; thus X1TIC MARK LABEL CASE with no arguments reverts the bottom horizontal tic label case to upper. A ...TIC MARK LABEL CASE command with no prefix refers to all 4 sides; thus TIC MARK LABEL CASE lOWER sets tic mark labels to lower case for all 4 frame lines. TIC MARK LABEL CASE with no prefix and no arguments reverts the tic label case to default on all 4 sides.

DEFAULT

All tic mark labels are upper case.

SYNONYMS

TIC LABEL CASE, TICS LABEL CASE, and TICS MARK LABEL CASE are synonyms for TIC MARK LABEL CASE, as in TIC LABEL CASE ASIS and X2TIC LABEL CASE LOWER.

RELATED COMMANDS

TIC MARK LABEL   =   Specifies whether or not tic mark labels or drawn.

TIC MARK LABEL CONTENTS	=	Specify alphanumeric values for tic labels.
TIC MARK LABEL DISPLACEMENT=		Sets the distance between tic labels and the frame.
TIC MARK LABEL FONT	=	Sets the font for tic labels.
TIC MARK LABEL FORMAT	=	Sets the format (alphanumeric, exponential, power of 10) for tic labels.
TIC MARK LABEL JUSTIFICATION =		Sets the justification for tic labels.
TIC MARK LABEL SIZE	=	Sets the height for tic labels.

APPLICATIONS

Presentation Graphics

IMPLEMENTATION DATE

Pre-1987 (the ASIS clause was implemented 93/7)

PROGRAM

LET Y = DATA 392 341 307 203 115 59 38 32 29 28
LET N = NUMBER Y
LET X = SEQUENCE 1 1 N
LINES BLANK ALL; BAR ON ALL
BAR WIDTH .5 ALL; BAR DIMENSION 3 ALL; BAR FILL ONTS ALL
YLIMITS 0 500
XLIMITS 1 10
XTIC OFFSET 1 1
MAJOR XTIC MARK NUMBER 10
MINOR XTIC MARK NUMBER 0
X1TIC MARK LABEL FORMAT ALPHA
X1TIC MARK LABEL CONTENT Apollo Sun HP DEC SYM SGI IBM DG TI Xerox
X1TIC MARK LABEL CASE ASIS
LEGEND 1 PRESENTATION GRAPHICS
LEGEND 2 3-D BAR HISTOGRAM
TITLE DEMONSTRATE TIC LABEL CASE; TITLE SIZE 5
PLOT Y X X