

... TIC MARK LABEL CONTENTS**PURPOSE**

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

DESCRIPTION

This command is used in conjunction with the TIC MARK LABEL FORMAT ALPHA command to specify alphanumeric tic mark labels (the LIMITS and MAJOR TIC MARK NUMBER commands are also used to control the number of major tic marks).

SYNTAX

<prefix>TIC MARK LABEL CONTENTS <lab1> <lab2> <lab3> etc.

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 <lab1>, <lab2>, and so on are the strings to use for the tic labels.

EXAMPLES

```
TIC MARK LABEL CONTENTS JANUARY FEBRUARY MARCH
X2TIC MARK LABEL CONTENTS SMALL MEDIUM LARGE
Y2TIC MARK LABEL CONTENTS SMALL MEDIUM LARGE
```

NOTE 1

If you want one or more of the tic labels to be blank, enter the label as SP(). This works for both hardware and software generated characters. This can also be used to insert a space in a multi-word label.

NOTE 2

A non-obvious use of this command is to generate a reverse axis. For example, the analyst may want the horizontal axis to go from 1000 to 0. This can be accomplished with the following commands (assume the points to be plotted are in Y and X):

```
MAJOR XTIC MARK NUMBER 11
MINOR XTIC MARK NUMBER 4
XLIMITS -1000 0
XTIC MARK LABEL FORMAT ALPHA
XTIC LABEL CONTENT 1000 900 800 700 600 500 400 300 200 100 0
LET X2 = - X
PLOT Y X2
```

DEFAULT

All tic mark labels are numeric.

SYNONYMS

TIC LABEL CONTENTS, TICS LABEL CONTENT, TICS MARK LABEL CONTENT are synonyms for TIC MARK LABEL CONTENTS, as in TIC LABEL CONTENTS A B C and X2TIC LABEL CONTENTS A B C.

RELATED COMMANDS

TIC MARK LABEL	=	Specifies whether or not tic mark labels are drawn.
TIC MARK LABEL ANGLE	=	Sets the angle for tic labels.
TIC MARK LABEL CASE	=	Sets the case for tic labels.
TIC MARK LABEL COLOR	=	Sets the color for tic labels.
TIC MARK LABEL DECIMALS	=	Sets the number of decimals for tic labels.
TIC MARK LABEL DIRECTION	=	Sets the direction (horizontal/ vertical) for TIC MARK 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, power of 10, exponential) for tic labels.

TIC MARK LABEL HW = Sets the height and width 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

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
XLIMITS 1 10
XTIC OFFSET 1 1
YLIMITS 0 500
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 SIZE 5; TITLE DEMONSTRATE TIC LABEL CONTENT
PLOT Y X X

```

