

## ... TIC MARK LABEL JUSTIFICATION

### PURPOSE

Specifies the justification of the tic mark labels on subsequent plots (i.e., left, center, right horizontally and top, center, bottom vertically).

### DESCRIPTION

The following justifications can be specified:

LEFT	- left horizontally, bottom vertically for horizontal strings, center horizontally, bottom vertically for vertical strings
CENTER	- center horizontally, bottom vertically for horizontal strings, center horizontally, center vertically for vertical strings
RIGHT	- right horizontally, bottom vertically for horizontal strings, center horizontally, top vertically for vertical strings
LECE	- left horizontally, center vertically
CECE	- center horizontally, center vertically
RICE	- right horizontally, center vertically
LETO	- left horizontally, top vertically
CETO	- center horizontally, top vertically
RITO	- right horizontally, top vertically
LEBO	- left horizontally, bottom vertically
CEBO	- center horizontally, bottom vertically
RIBO	- right horizontally, bottom vertically

### SYNTAX

<prefix>TIC MARK LABEL JUSTIFICATION <just>

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 <just> is a character string that specifies the desired justification (the available choices are listed above).

### EXAMPLES

```
TIC MARK LABEL JUSTIFICATION CECE
X2TIC MARK LABEL JUSTIFICATION LEFT
```

### NOTE

A ...TIC MARK LABEL JUSTIFICATION command with no arguments reverts the setting to default; thus X1TIC MARK LABEL JUSTIFICATION with no arguments reverts the bottom horizontal tic label justification to CETO. A ...TIC MARK LABEL JUSTIFICATION command with no prefix refers to all 4 sides; thus TIC MARK LABEL JUSTIFICATION LEFT sets tic mark labels to left for all 4 frame lines. TIC MARK LABEL JUSTIFICATION with no prefix and no arguments reverts the tic label justification settings on all 4 sides to default.

### DEFAULT

CETO for the bottom horizontal axis, CEBO for the top horizontal axis, RICE for the left vertical axis, and LECE for the right vertical axis.

### SYNONYMS

TIC LABEL JUSTIFICATION, TICS LABEL JUSTIFICATION, and TICS MARK LABEL JUSTIFICATION are synonyms for TIC MARK LABEL JUSTIFICATION, as in TIC LABEL JUSTIFICATION LEFT and X2TIC LABEL JUSTIFICATION LEFT. LJJUSTIFY, CJJUSTIFY, and RJJUSTIFY are synonyms for LEFT, CENTER, and RIGHT respectively.

### RELATED COMMANDS

TIC MARK LABEL	=	Specifies whether or not tic mark labels or drawn.
TIC MARK LABEL ANGLE	=	Sets the angle for tic labels.
TIC MARK LABEL COLOR	=	Sets the color for tic labels.

- TIC MARK LABEL CONTENTS = Specify alphanumeric values 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 SIZE = Sets the height for tic labels.
- TIC MARK LABEL THICKNESS = Sets the line width for tic labels.

**APPLICATIONS**

Presentation Graphics

**IMPLEMENTATION DATE**

Pre-1987 (the justification for vertical labels was corrected 94/6)

**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
MAJOR XTIC MARK NUMBER 10; MINOR XTIC MARK NUMBER 0
X1TIC MARK LABEL CONTENT APOLLO SUN HP DEC SYM SGI IBM DG TI XEROX
X1TIC MARK LABEL DIRECTION VERTICAL; X1TIC MARK SIZE 1.8
X1TIC MARK LABEL FORMAT ALPHA; X1TIC MARK LABEL JUSTIFICATION LETO
YLIMITS 0 500; Y1TIC MARK LABEL DIRECTION VERTICAL
Y1TIC MARK LABEL JUSTIFICATION CEBO
LEGEND 1 PRESENTATION GRAPHICS
LEGEND 2 3-D BAR HISTOGRAM
TITLE DEMONSTRATE TIC LABEL JUSTIFICATION; TITLE SIZE 5
PLOT Y X X
    
```

