FENCE

PURPOSE
Specify the fence switch for box plots.

DESCRIPTION
If this switch is ON, outliers are drawn as circles (small circles for near outliers, larger circles for far outliers). If IQ is the interquartile range, near outliers are defined as points between the median +/- 1.5*IQ and M +/- 3.0*IQ. Far outliers are defined as points greater than 3.0*IQ from the median. If this switch is OFF, individual points are not identified (a line is drawn from the quartile to the minimum and maximum points).

SYNTAX
FENCE <ON/OFF>

where ON specifies that outliers are drawn as circles while OFF specifies that lines are drawn from the quartiles to the minimum and maximum points.

EXAMPLES
FENCE ON
FENCE OFF

NOTE
The outliers are defined by CHARACTER and LINE traces 21 through 24. This information is relevant if you wish to define the attributes of these points (e.g., drawing filled circles, changing the size of the circles, using a different character).

DEFAULT
OFF

SYNONYMS
None

RELATED COMMANDS
BOX PLOT   =   Generates a box plot.

APPLICATIONS
Box plots

IMPLEMENTATION DATE
Pre-1987

PROGRAM

```
SKIP 50
SET READ FORMAT 3F4.0,F5.0,F6.0,F3.0,2F9.0
READ PBF11.DAT YEAR DAY BOT SD F11 FLAG WV CO2
.
RETAIN YEAR DAY BOT SD F11 WV CO2 FLAG SUBSET FLAG 0
LET MONTH=INT(DAY/30.25)+1
LEGEND 1 1-FACTOR MODELING
LEGEND 2 BOX PLOT
CHARACTERS BOX PLOT
LINES BOX PLOT
XLIMITS 0 15
YMINIMUM .995
MULTIPLOT 2 1; MULTIPLOT CORNER COORDINATES 0 0 100 100
TITLE NO FENCES
BOX PLOT WV MONTH
FENCES ON
TITLE FENCES ON
BOX PLOT WV MONTH
END OF MULTIPLOT
```