

END OF DATA

PURPOSE

Specifies the end of a data set being read from the terminal or from a file via the READ or the SERIAL READ command.

DESCRIPTION

This command is most commonly used when reading data from the terminal (when reading from a file it is more typical to simply allow DATAPLOT to read until an end of file is encountered). When an END OF DATA statement is used in a file, it should be inserted (via the editor) on a separate line. To specify that the variable X should have the values 25, 75, 109.3, and 160, one could enter:

```
READ X
25
75
109.3
160
END OF DATA
```

or

```
SERIAL READ X
25 75 109.3 160
END OF DATA
```

or

```
LET X = DATA 25 75 109.3 160
```

If these above 5 data points reside in a file, then a READ or SERIAL READ of that file proceeds until the first occurrence of any one of the following:

1. an end of file is encountered;
2. an END OF DATA statement is encountered;
3. a ROW LIMITS specification has been met.

SYNTAX

```
END OF DATA
```

EXAMPLES

```
END OF DATA
```

DEFAULT

None

SYNONYMS

END DATA, END OF READ, and END READ are synonyms for END OF DATA.

RELATED COMMANDS

READ	=	Reads data (column-wise) into variables.
SERIAL READ	=	Reads data (row-wise) into variables.
ROW LIMITS	=	Sets the file lines to be included in subsequent reads.
SKIP	=	Sets the number of lines to skip over in read.

APPLICATIONS

Reading data

IMPLEMENTATION DATE

Pre-1987

PROGRAM

```
SERIAL READ X
25 75 109.3 145 160
END OF DATA
PLOT X
```