

GRPLT\$ - Plot GRAPH\$ Point

The GRPLT\$ routine is used within a GRAPH\$ Call-Back routine to plot a data item on the graph.

1. Invocation

To plot a data item on the graph code:

```
CALL GRPLT$ USING pt
```

where *pt* is a control block of the following format:

```
01      PT
02      PTZINX      PIC 9(2) COMP      * Z-item index
02      PTXINX      PIC 9(2) COMP      * X-item index
02      PTPTR       PIC PTR           * Pointer to the field in the correct
                                      * format which contains the data to be
                                      * plotted
```

2. STOP Codes and Exception Conditions

The following STOP codes may be generated by GRPLT\$:

STOP code	Description
14404	The Z-axis index is invalid (not positive or has not increased by 1 from the last call of GRPLT\$)
14409	The X-axis index is invalid (not positive or has not increased by 1 from the last call of GRPLT\$)

No EXIT codes will be returned by GRPLT\$:

3. Programming Notes

GRPLT\$ is only useful when running on GX and when used in conjunction with GRAPH\$ etc. Furthermore, GRPLT\$ should only be used within a GRAPH\$ Call-Back routine (i.e. after GRAPH\$) has been used to define the graph.

Normally, GRPLT\$ will be called repeatedly within a program loop. The 'co-ordinates' of the point to be plotted are given by the Z-axis item and X-axis item indices. The field containing the value of the point to be plotted must be in the format described by the indicated Z-axis item detail block as passed to GRZAX\$.

4. Examples

None.

5. Copy-Books

None.

6. See Also

GRINI\$ Initialise GRAPH\$ GR Block With Default Settings
GRAPH\$ Main graph build routine
GRZAX\$ Define Z-axis graph details
GRXAX\$ Define X-axis graph details