Chandra X-ray Center

AHELP for CIAO 3.4   # chips_get_yscale   Context: chips

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Synopsis

Get the y−axis scale

Syntax

```
Integer_Type chips_get_yscale()
```

Description

Gets the scale of the plot's y−axis. The function returns "1" for linear and "0" for log. Non−existent drawing areas are assumed to have a default scale of linear.

The current scale may be changed with chips_set_yscale.

Example 1

```
chips> input=readfile("/data/chips/phas.fits")
chips> curve x input.x y input.y
chips> chips_get_yscale()
1
```

The dataset is read in and plotted with a linear y−axis, as returned by the "chips_get_yscale" command.

Example 2

```
chips> spec=readfile("/data/threads/Chips/data1.pha")
chips> curve x spec.channels y spec.counts
chips> chips_set_yscale(0)
Warning: negative and zero values ignored in log scale
0
chips> chips_get_yscale()
0
```

The y−axis is changed to log scale with the "chips_set_yscale" command, then the change is confirmed. Note the the first command returns "0" for success, while the second returns "0" to indicate log scale.

Bugs

See the bugs page for ChIPS on the CIAO website for an up−to−date listing of known bugs.

See Also

chips

chips_auto_redraw, chips_clear, chips_color_name, chips_color_value, chips_get_pane, chips_get_xrange, chips_get_xscale, chips_get_yrange, chips_get_zrange, chips_get_zscale, chips_label, chips_line, chips_pickpoints, chips_redraw, chips_set_pane, chips_set_xrange, chips_set_xscale, chips_set_yrange, chips_set_yscale, chips_set_zrange, chips_set_zscale, chips_split, chips_version