



AHELP for CIAO 3.4

chips_get_xscale

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Synopsis

Get the x-axis scale

Syntax

```
Integer_Type chips_get_xscale()
```

Description

Gets the scale of the plot's x-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_xscale`.

Example 1

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

The dataset is read in and plotted with a linear x-axis, as returned by the "chips_get_xscale" command.

Example 2

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

The x-axis is changed to log scale with the "chips_set_xscale" 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 yrange](#), [chips get yscale](#), [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](#)

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URL:
http://cxc.harvard.edu/ciao3.4/chips_get_xscale.html
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