Chandra X-ray Center

AHELP for CIAO 3.4 | **chips_set_zscale** | Context: chips

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Synopsis

Set the z–axis scale

Syntax

```
Integer_Type chips_set_zscale(scale)
```

Description

Sets the scale of the plot's z–axis.

Arguments for chips_set_zscale

Name	Type	Options	Comment
scale	Numeric	0, 1, "linear", "log", _chips–>log, _chips–>linear	logarithm is base 10

When invoked with no argument, the function will reset the scale to linear.

The function returns a 0 on success and −1 on failure.

The current scale may be found with chips_get_zscale.

Example 1

```
chips> chips_set_zscale("log")
0
```

The z–axis for a plot is changed to log scale. Equivalent commands are:

```
chips> chips_set_zscale(0)
chips> chips_set_zscale(_chips->log)
```

Example 2

```
chips> chips_set_zscale(0)
0
chips> chips_set_zscale(_chips->linear)
```

```
0
```

First, the z–axis is set to logarithmic scale. The second "chips_set_zscale" command changes it back to a linear scale; equivalent commands are:

```
chips> chips_set_zscale(1)
chips> chips_set_zscale("linear")
chips> chips_set_zscale()
```

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_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_split, chips_version