Chandra X-ray Center

AHELP for CIAO 3.4

grids

Context: chips

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Synopsis

Adds grid lines to a drawing area and/or changes grid attributes.

Syntax

```
chips> [D #] GRIDS [<gridtype>] <color>
chips> [D #] GRIDS [<gridtype>] [<coor>] <boolean>
chips> [D #] GRIDS [<gridtype>] <linestyle>
```

Description

```
Argument: <boolean>
Description: drawing area grids on or off
Options: {ON | OFF}
Default: ON
```

```
Argument: <color>
Description: axes color
Options: BLACK, BLUE, CYAN, DEFAULT, GREEN, MAGENTA, RED, WHITE, YELLOW
Default: DEFAULT (appears in ChIPS window as white; prints as black)
```

```
Argument: <coor>
Description: axis coordinates
Options: X, Y
Default: both X and Y
```

```
Argument: D #
Description: drawing area number designation
Options: integer numbers
Default: current drawing area
```

See the D command for more information about this argument.

```
Argument: <gridtype>
Description: type of grid markings
Options: MAJ – grid lines along major tick marks
        MIN – grid lines along minor tick marks
Default: both MAJ and MIN
```

```
Argument: <linestyle>
Description: style for lines
Options: SOLID, DOT, DASH, LONGDASH, DOTDASH, DOTLONGDASH,
        DASHLONGDASH
Default: SOLID
```

CIAO allows some plot attributes to be changed using the ChIPS state object and resource file. See "ahelp

chips" for further details.

Example 1

```
chips> CURVE data/example.dat
chips> GRIDS ON
```

A curve is plotted, then the grid lines are turned on.

Example 2

```
chips> GRIDS MAJ Y ON
chips> GRIDS MIN X ON
```

Grid lines along the major Y−axis tick marks are turned on, while the lines along the minor X−axis tick marks are turned on.

Example 3

```
chips> GRIDS MAJ BLUE
chips> GRIDS MIN CYAN
chips> GRIDS LONGDASH
```

The major tick marks are changed to the color blue, and the minor tick marks are changed to the color cyan. Finally, all grid line styles are changed from a solid line to a long dash.

Bugs

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

See Also

chips

> axes, drawarea, errs, font, label, levels, limits, line, linear, location, log, relativesize, split, symbol, ticks, tickvals, title, xlabel, ylabel, zlabel

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Example 1