



AHELP for CIAO 3.4

## ticks

Context: [chips](#)

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## Synopsis

Specifies the spacing of tick marks.

## Syntax

```
chips> [D #] TICKS [<ticktype>] [<coord>] <interval>
```

## Description

```
Argument: <coord>
Description: axis
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: <interval>
Description: interval between tick marks
Options: real numbers
Default: automatically determined
```

```
Argument: <ticktype>
Description: type of grid markings
Options: MAJ - major tick marks only
         MIN - minor tick marks only
Default: both MAJ and MIN
```

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> SPLIT 2
chips> D 1 CURVE data/fit.dat
chips> D 2 CURVE data/residuals.dat
chips> D 1 TICKS 1.0
```

The curves are plotted in two drawing areas, then the tick spacing of drawing area 1 is changed to 1.0 for both axes.

## Example 2

```
chips> D 2 TICKS X 2.0
chips> D 2 TICKS Y 0.5
```

The first command changes the interval between tick marks on the X-axis of drawing area 2 to 2.0. The Y-axis tick marks are changed to have a spacing of 0.5.

## Example 3

```
chips> SPLIT GAP 0.05
chips> D 1 TICKS MIN X 0.5
chips> D 1 TICKS MAJ Y 0.5
chips> D 2 TICKS MAJ X 1.0
chips> D 2 TICKS MIN X 0.5
```

The drawing areas are first separated by a small amount (0.05). The command D 1 TICKS MIN X 0.5 adds minor tick marks with spacing 0.5, to the X-axis of drawing area 1. The interval between the Y-axis major tick marks of that area are then changed to 0.5. Similar commands are applied to drawing area 2.

## 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](#), [grids](#), [label](#), [levels](#), [limits](#), [line](#), [linear](#), [location](#), [log](#), [relativesize](#), [split](#), [symbol](#), [tickvals](#), [title](#), [xlabel](#), [ylabel](#), [zlabel](#)

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URL:  
<http://cxc.harvard.edu/ciao3.4/ticks.html>  
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