

## ignore: ignore detector channels

Ignore data channels.(See also [notice](#).)

**Syntax:**        **ignore** <range1> [ <range2>] ... [ <rangeN>]

**ignore** bad

where

<rangeI> ::= <spectrum range>: <channel range> | <channel range>.

If no <spectrum range> is given, then the previous range is used (the initial default range is file one (1) only). The form of <spectrum range> is

<spectrum range> ::= <init spectrum> - <last spectrum> | <spectrum>

where <init spectrum>, <last spectrum>, and <spectrum> are spectrum numbers, in the order that they were input with the data command. The form of channel range is

<channel range> ::= <initial channel> — <last channel> | <channel>

If integers are given for the channel ranges then channels will be used while if reals are given then energies (or wavelengths if `setplot wave` has been specified). Energy and wavelength units are determined by the `setplot energy` and `wave` settings. If only the last channel is indicated, then a default value of one (1) is used for the initial channel. Channels remain ignored until they are explicitly noticed with the `notice` command, or if a spectrum is replaced.

Examples:

Assume that 4 spectra have been read in, the first 2 with 100 channels and the last 2 with 50 channels.

```
XSPEC12> ignore **:1-10
```

```
//The first 10 channels of all 4 spectra are ignored
```

```
XSPEC12> ignore 80-*
```

```
//An attempt will be made to ignore channels ≥ 80 in all four data
```

```
// sets (as that was the last spectrum range specified). As a result,
```

```
// only channels 80-100 will be ignored for spectra 1 and 2.
```

```
// No change will occur for spectra 3 and 4, as they have no
```

```
// channels greater than 50.
```

```
XSPEC12> ign 4:1-20 3:30-40 45-*
```

```
//Channels 11-20 for spectrum 4 are ignored (1-10 were ignored already)
```

```
// while channels 30-40 and 45-50 of spectrum 3 are ignored.
```

```
XSPEC12> ignore 1:1-5
```

//No channels are ignored, as these were ignored at the beginning.

XSPEC12> ignore 2:1.-5.

//Ignore all channels between 1 and 5 keV in the second dataset