

notice: notice data channels

Notice data channels.(See also [ignore](#).)

Syntax: **notice**<range1> <range2> ... <rangeN>

notice all

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 <channel range> are integers then channels will be used or if reals 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 1 is used for the initial channel. Channels remain noticed until they are explicitly ignored with the `ignore` command. When a spectrum is replaced by another spectrum, all input channels automatically are noticed.

XSPEC12> **notice all**

resets all the channels to 'noticed'.

Examples:

Assume that 4 spectra have been read in, the first 2 having 100 channels and the last 2 having 50 channels. Assume also that channels 1–10 of all four spectra are ignored and that channels 80–100 of spectra 1 and 2 are ignored.

In XSPEC12, **notice** does not force the detector response to be reread (see RESPONSE DESCRIPTION).

XSPEC12> notice **:1—10

//The first 10 channels of all 4 spectra are noticed.

XSPEC12> notice 80—**

//an attempt will be made to notice channels ≥ 80 in all 4 spectra

// (as that was the last spectrum range specified) but the result is that

// only channels 80–100 will be noticed for spectra 1 and 2, with no

// change for spectra 3 and 4 as they have no channels greater than 50.

XSPEC12> notice 1:1—5

//No channels are noticed, as these channels were noticed

//in the beginning.