



AHELP for CIAO 3.4

set_analysis

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Synopsis

Module function to set the units for 1–D spectral analysis.

Syntax

```
Integer_Type set_analysis([Integer_Type],String_Type)

Success/Error Return Values: 1/0

Arguments:

(1) Dataset number (default 1)

(2) Units string
```

Description

The `set_analysis()` function tells Sherpa the units in which to do subsequent analyses, for the specified dataset. For Sherpa version 3.0.2, supported (case-insensitive) string inputs are "bin" (equivalent to ANALYSIS CHANNELS), "kev" (equivalent to ANALYSIS ENERGY), "ang" (equivalent to ANALYSIS WAVE), "ev", "mev", "nm", and "hz".

Example

```
sherpa> data example.pha
sherpa> instrument = rsp[a](example.rmf,example.arf)
sherpa> () = set_analysis(1,"hz")
sherpa> get_analysis()
Hz
sherpa>
```

Bugs

See the [Sherpa bug pages](#) online for an up-to-date listing of known bugs.

See Also

chandra

[guide](#)

sherpa

[autoest](#), [back](#), [berrors](#), [bsyserrors](#), [bye](#), [calc_kcorr](#), [coord](#), [data](#), [dataspace](#), [dcounts](#), [dollarsign](#), [echo](#), [eflux](#), [eqwidth](#), [erase](#), [fakeit](#), [feffile](#), [flux](#), [get](#), [get dcounts sum](#), [get dir](#), [get eflux](#), [get eqwidth](#), [get filename](#), [get flux2d](#), [get flux str](#), [get lfactorial](#), [get mcounts sum](#), [get pflux](#), [get source components](#), [get verbose](#), [group](#), [groupbycounts](#), [guess](#), [is](#), [is subtracted](#), [journal](#), [list](#), [list par](#), [load](#), [load arf](#), [load ascii](#), [load back from](#), [load backset](#), [load dataset](#), [load fitsbin](#), [load image](#), [load inst](#), [load inst from](#), [load pha](#), [load pha2](#), [load rmf](#), [mcounts](#), [numbersign](#), [paramest](#), [plot eprof](#), [plot rprof](#), [prompt](#), [read](#), [reset](#), [run](#), [set](#), [set axes](#), [set backscale](#), [set coord](#), [set data](#), [set dataspace](#), [set dir](#), [set exptime](#), [set subtract](#), [set verbose](#), [set weights](#), [setback](#), [setdata](#), [setplot](#), [sherpa-module](#), [sherpa_plotfns](#), [sherpa utils](#), [show](#), [simspec](#), [subtract](#), [ungroup](#), [unsubtract](#), [use](#), [version](#)

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URL:
http://cxc.harvard.edu/ciao3.4/set_analysis.html
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