Chandra X-ray Center

AHELP for CIAO 3.4 **get_metadata** Context: sherpa

Jump to: Description Example Bugs See Also

Synopsis

Module functions to retrieve metadata associated with source and background datasets.

Syntax

```
Integer_Type get_dimension([Integer])
Float_Type get_exptime([Integer])
Float_Type get_bexptime([Integer])
Float_Type get_backscale([Integer])
Float_Type get_bbackscale([Integer])

Error Return Value: NULL

Arguments:

(1) data set number (default 1)
```

Description

The function get_dimension() retrieves the dimensionality of the appropriate data set (e.g., 1 for PHA data, 2 for images). (If no argument is given, the dimensionality of data set 1 is retrieved.)

The function get_exptime() retrieves the exposure time of the appropriate data set, in seconds. (The function get_bexptime() retrieves the exposure time of the background data set.)

The function get_backscale() retrieves the value of the BACKSCAL keyword associated with the appropriate data set (assuming the file from which that data was read was a PHA file). (The function get_bbackscale() retrieves the value of the BACKSCAL associated with the appropriate background data set.)

See the related Sherpa command SHOW ALL for more information.

Example

```
sherpa> data example.pha
sherpa> get_exptime()
28678
```

Bugs

See the Sherpa bug pages online for an up–to–date listing of known bugs.

See Also

chandra
>   guide

sherpa
>   get_analysis, get_arf_axes, get_axes, get_coord, get_data, get_energy_axes, get_errors, get_filter, get_filter_expr, get_fit, get_fluxed_spectrum, get_ftest, get_photon_axes, get_photon_energy_axes, get_photon_wave_axes, get_qvalue, get_raw_axes, get_record, get_source, get_statistic, get_stats, get_syserrors, get_wave_axes, get_weights, record, save, write

---