



AHELP for CIAO 3.4

is_subtracted

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Synopsis

Module function to determine if whether the specified dataset is background-subtracted.

Syntax

```
Integer_Type is_subtracted([Integer_Type])
```

Arguments:

(1) Dataset number (default 1)

Description

This function returns 1 if the background has been subtracted in the specified source dataset.

See the related Sherpa commands SUBTRACT and UNSUBTRACT for more information.

Example

Determine if dataset 1 is background subtracted:

```
sherpa> DATA example.pha
The inferred file type is PHA.  If this is not what you want, please
specify the type explicitly in the data command.
WARNING: using systematic errors specified in the PHA file.
RMF is being input from:
  <directory_path>/example2.rmf
ARF is being input from:
  <directory_path>/example2.arf
Background data are being input from:
  <directory_path>/example2_bkg.pha
sherpa> is_subtracted
0
sherpa> SUBTRACT
sherpa> is_subtracted(1)
```

1

The 0 returned from the first call indicates that no, dataset 1 is not background subtracted. (Unlike XSPEC, Sherpa does not automatically subtract background data upon input.) The 1 returned from the second call, issued after the SUBTRACT command, indicates that yes, dataset 1 is now background-subtracted.

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](#), [coord](#), [data](#), [dataspace](#), [fakeit](#), [feffile](#), [group](#), [guess](#), [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](#), [read](#), [set_analysis](#), [set_axes](#), [set_backscale](#), [set_coord](#), [set_data](#), [set_exptime](#), [set_subtract](#), [set_weights](#), [setback](#), [setdata](#), [subtract](#), [ungroup](#), [unsubtract](#), [use](#)

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