

AH_{ELP} for CIAO 3.4

load_pha

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Synopsis

Module function to load source and background data from PHA Type I files into Sherpa

Syntax

```
Integer_Type load_pha([Integer_Type], {String_Type | Struct_Type})
Integer_Type load_bpha([Integer_Type], {String_Type | Struct_Type})

Success/Error Return Values: 1/0

Arguments:

(1) Data set number (default 1)
(2) PHA Type I filename, or
(2) S-Lang variable output by readpha()
```

Description

The function `load_pha()` loads data from a PHA Type I file into a Sherpa data set. The function `load_bpha()` loads data from a PHA Type I file into the background associated with a Sherpa source data set. (The brackets indicate an optional letter in the function name, with ```[b]``` representing functions to use with background data. Note that background functions currently assume that the setting of `multiback` in the Sherpa state object is 0, i.e., that only one background dataset is allowed per source dataset.)

If the file contains the header keywords `BACKFILE`, `RESPFILE`, and/or `ANCRFILE`, the background, RMF, and/or ARF file contents are automatically read in as well. (`BACKFILE` is ignored for `load_bpha`.)

See the related Sherpa command `READ` for more information.

Example 1

```
sherpa> () = load_pha(,"example.pha")
sherpa> () = load_pha(1,"example.pha")
sherpa> () = load_bpha(,"example.pha")
sherpa> () = load_bpha(1,"example.pha")
```

The first two commands will load data from the PHA Type I file into Sherpa source data set 1. The last two

commands will load data from the PHA Type I file into the background associated with Sherpa source data set 1.

Example 2

```
sherpa> foo = readpha("example.pha")
sherpa> () = load_pha(1,foo)
```

Here the data are read into the S-Lang variable ``foo". The load_pha() function then reads the data from arrays which are part of the variable ``foo".

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](#), [is_subtracted](#), [load](#), [load arf](#), [load ascii](#), [load back from](#), [load backset](#), [load dataset](#), [load fitsbin](#), [load image](#), [load inst](#), [load inst from](#), [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/load_pha.html
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