



AHELP for CIAO 3.4

load_pha2

Context: [sherpa](#)*Jump to:* [Description](#) [Examples](#) [Bugs](#) [See Also](#)

Synopsis

Module function to load source data from PHA Type II files into Sherpa

Syntax

```
Integer_Type load_pha2([Integer_Type], {String_Type | Struct_Type})
```

```
Success/Error Return Values: 1/0
```

```
Arguments:
```

```
(1) Data set number (default 1)
```

```
(2) PHA Type II filename, or
```

```
(2) S-Lang variable output by readpha()
```

Description

The function `load_pha2()` loads data from a PHA Type II file into a Sherpa data set. 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. If the file contains the columns `BACKGROUND_UP` and `BACKGROUND_DOWN`, their contents are combined into a single background dataset, which is then read in.

Note that there is no equivalent function currently for inputting background data from a PHA Type II file.

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

Example 1

```
sherpa> () = load_pha2(,"example.pha")  
sherpa> () = load_pha2(1,"example.pha")
```

These two commands will load data from the PHA Type II file into Sherpa source data sets, starting with data set 1.

Example 2

```
sherpa> foo = readpha("example.pha")
sherpa> () = load_pha2(1,foo)
```

Here the data are read into the S-Lang variable ``foo". The load_pha2() 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_pha](#), [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](#)

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL:
http://cxc.harvard.edu/ciao3.4/load_pha2.html
Last modified: December 2006