Chandra X-ray Center

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

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Synopsis

Module function to load data from an ARF file into Sherpa

Syntax

```
Integer_Type load_arf(String_Type, {String_Type | Struct_Type})

Success/Error Return Values: 1/0

Arguments:

(1) Name of instrument (RSP) model instance

(2) ARF filename, or

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

Description

This function loads data from an ARF file into Sherpa, assigning the data to the RSP model instance identified by the first argument. If no such model exists before the call, a new RSP model is created.

See the related Sherpa models RSP and FARF for more information.

Example 1

```
sherpa> () = load_arf("rr","example.arf")
```

In this example, the data from the ARF file example.arf is assigned to the RSP model ``rr''.

Example 2

```
sherpa> arfst = readarf("example.arf")
sherpa> () = load_arf("rr","arfst")
sherpa> () = sherpa_eval("instrument 1 = rr")
```

Here the ARF data are read into the S–Lang variable ``arfst''. The load_arf() function then reads the data from arrays which are part of the variable ``arfst''.

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_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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