



AHELP for CIAO 3.4

load_inst

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Synopsis

Module function to load data from ARF and RMF files into Sherpa. load_instrument is an alternate name.

Syntax

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

Success/Error Return Values: 1/0

Arguments:

- (1) ARF filename, or
- (1) S-Lang variable output by readarf()
- (2) RMF filename, or
- (2) S-Lang variable output by readrmf()

Description

This function loads data from an ARF file and an RMF file into Sherpa, assigning them to an automatically named RSP model instance.

Note that the order (ARF,RMF; RMF,ARF) does not actually matter, except that currently an unsuppressible library error message appears when the RMF is listed first. This error message may be safely ignored.

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

Example

```
sherpa> rmfst = readrmf("example.rmf")
sherpa> () = load_inst("example.arf",rmfst)
```

In this example, RMF data are read from example.rmf and put into the S-Lang variable ``rmfst"; this variable is then passed as an argument to load_inst(). The ARF data are read directly from the example.arf file.

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_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/load_inst.html
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