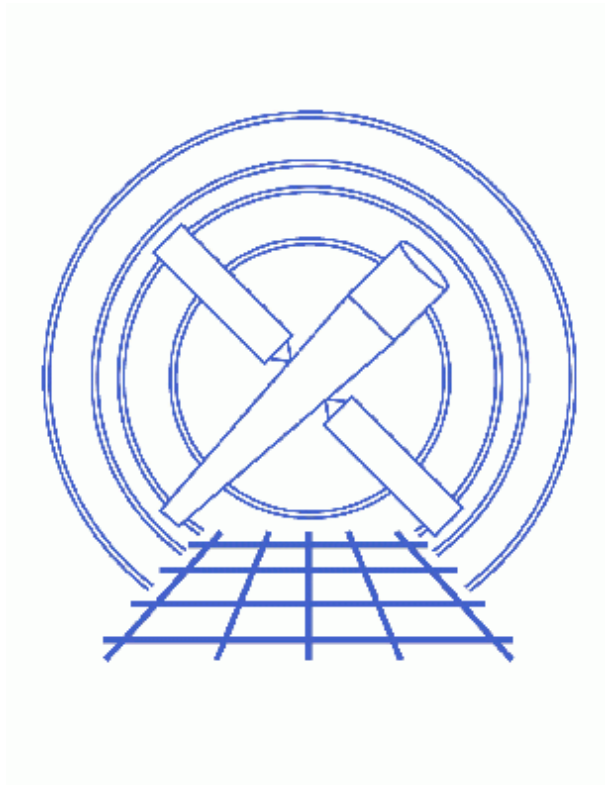# Sherpa Threads: Getting Started

Sherpa Threads (CIAO 3.4)

Sherpa Threads: Getting Started

Sherpa Threads

Overview

Last Update: 1 Dec 2006 – updated for CIAO 3.4: *Sherpa* version

Synopsis:

How to obtain the data used in each of the *Sherpa* threads.

Proceed to the HTML or hardcopy (PDF: A4 | letter) version of the thread.

Getting Started

All the data used in the *Sherpa* threads are available in sherpa.tar.gz (95 MB tarred & gzipped; 106 MB unpacked). Download and unpack this file before continuing.

Move to the directory that contains the thread data:

```
unix% cd /localpath/sherpa
unix% ls -1
2dpsf/
basic/
expmap/
fakeit/
grating/
grating_hrcsletg/
guide/
many_threads/
pha_intro/
pileup/
plot/
README.sherpa
simspec/
simultaneous/
sourceandbg/
spatial/
spectra/
```

The `README.sherpa` file contains the following information:

```
unix% cat README.sherpa
```

```
The data in the "many_threads" directory
is used for the following threads:

confidence/
confidence_manual/
get_fit_results/
setplot/
setplot_manual/
slangplot/
```

Locate and move into the subdirectory for your specific thread and start a *Sherpa* session; e.g. for the Introduction to Fitting PHA Spectra thread:

```
unix% cd pha_intro
unix% sherpa

----------------------------------------------------
Welcome to Sherpa: CXC's Modeling and Fitting Program
----------------------------------------------------
Version: CIAO 3.4

Type AHELP SHERPA for overview.
Type EXIT, QUIT, or BYE to leave the program.

Notes:
    Temporary files for visualization will be written to the directory:
    /tmp
    To change this so that these files are not deleted when you exit Sherpa,
    edit $ASCDS_WORK_PATH in your 'ciao' setup script.

    Abundances set to Anders & Grevesse

sherpa> pwd
/localpath/sherpa/pha_intro
```

The contents of this directory may be examined with the Unix command `ls`:

```
sherpa> ls
3c273.arf       3c273.rmf       pha_basic.txt
3c273.pi        3c273_bg.pi
```

To view the contents of an ASCII file from within *Sherpa*, the Unix command `more` may be used:

```
sherpa> $more pha_basic.txt
# script name: pha_basic.shp

DATA 3c273.pi
.
.
```

or

```
sherpa> !more pha_basic.txt
# script name: pha_basic.shp

DATA 3c273.pi
.
.
```

Note that Unix commands issued in Sherpa must be preceded by the $ or ! symbols, except for `cd`, `ls`, and `pwd`.

History

14 Jan 2005 reviewed for CIAO 3.2: no changes

07 Jul 2005 updated tarfile information

21 Dec 2005 reviewed for CIAO 3.3: no changes

09 Feb 2006 updated tarfile information

01 Dec 2006 updated for CIAO 3.4: *Sherpa* version

URL: http://cxc.harvard.edu/sherpa/threads/gettingstarted/   Last modified: 1 Dec 2006

History