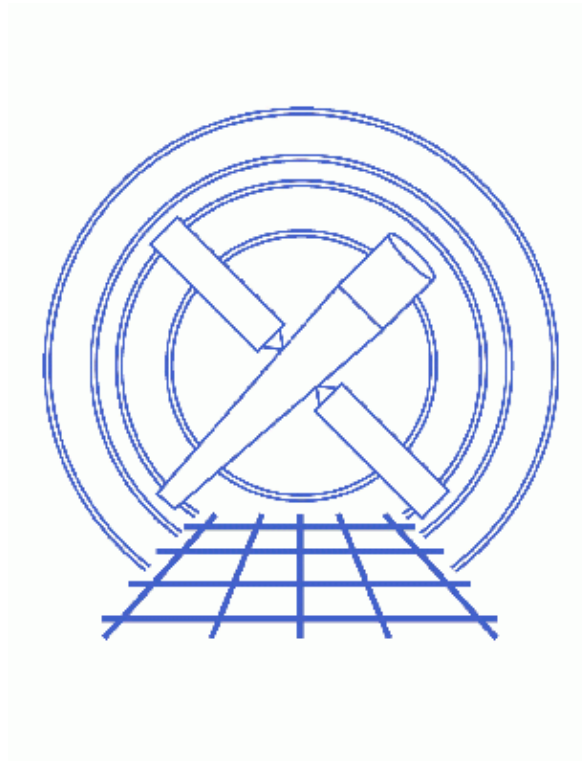


# Patching CIAO 4.1 to CIAO 4.1.1



## CIAO 4.1 Science Threads

# Table of Contents

- Downloading the Patch File
- Installing the Patch
- Clean Up the files
- History

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# Patching CIAO 4.1 to CIAO 4.1.1

## CIAO 4.1 Science Threads

### Overview

**Last Update:** 10 Apr 2009 - added link to ciao-install script

#### Synopsis:

How to patch CIAO 4.1 to 4.1.1.

This thread assumes that you already have CIAO 4.1 installed. If you don't, follow the [Installing CIAO 4.1 thread](#). That thread includes the patch installation, so you do not need to return to this thread.

**NEW** There is a new script, [ciao-install](#), which automates the installation and upgrade of CIAO and CALDB. The [README](#) explains how it is used. CIAO 4.1.2 contains a beta release of ciao-install; user comments on the script are welcome via [Helpdesk](#).

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

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## Downloading the Patch File

The CIAO 4.1.1 patch is available from the [CIAO download pages](#). There is a single platform-independent patch file: `ciao-4.1.1-tools.tar.gz`.

Save the tarfile to a location that is accessible from where you wish to install CIAO and unzip it:

```
unix% gunzip /some/path/ciao-4.1.1-tools.tar.gz
```

---

## Installing the Patch

The patch unpacks into the "ciao-4.1" directory where CIAO is installed. In our example, this directory is located within `/soft/`; if you do not recall where your root directory is, start CIAO and type:

```
unix% cd $ASCDS_INSTALL
unix% cd ..
unix% pwd
/soft/
```

From this directory, untar the patch file:

---

## Patching CIAO 4.1 to CIAO 4.1.1 - CIAO 4.1

```
unix% tar xf /some/path/ciao-4.1.1-tools.tar.gz
```

Next, run the patch script:

```
unix% cd ciao-4.1/  
unix% ./ciao_patch.sh
```

The script does not print any output. It moves the updated files to the `$ASCDS_INSTALL/config/pimms/data/` directory and renames the old files to `".<filename>_CIAO_4.1"`.

The patch is now installed. When you start CIAO, the version number indicates this:

```
CIAO configuration is complete...  
CIAO version      : CIAO 4.1.1 Wednesday, January 14, 2009  
Proposal Toolkit version : Cycle 11 Friday, December 5, 2008
```

---

## Clean Up the files

You may delete the tarfile from the original download directory:

```
unix% rm /some/path/ciao-4.1.1-tools.tar
```

If disk space is an issue, you can also run the `ciao_cleanup.sh` script to delete the files replaced by CIAO 4.1.1.

```
unix% pwd  
/soft/ciao-4.1/  
unix% ./ciao_cleanup.sh
```

This will delete about 7 MB of data.

---

## History

15 Jan 2009 original version: new for CIAO 4.1.1

10 Apr 2009 added link to ciao-install script

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URL: [http://cxc.harvard.edu/ciao/threads/ciao\\_patch\\_411/](http://cxc.harvard.edu/ciao/threads/ciao_patch_411/)

Last modified: 10 Apr 2009