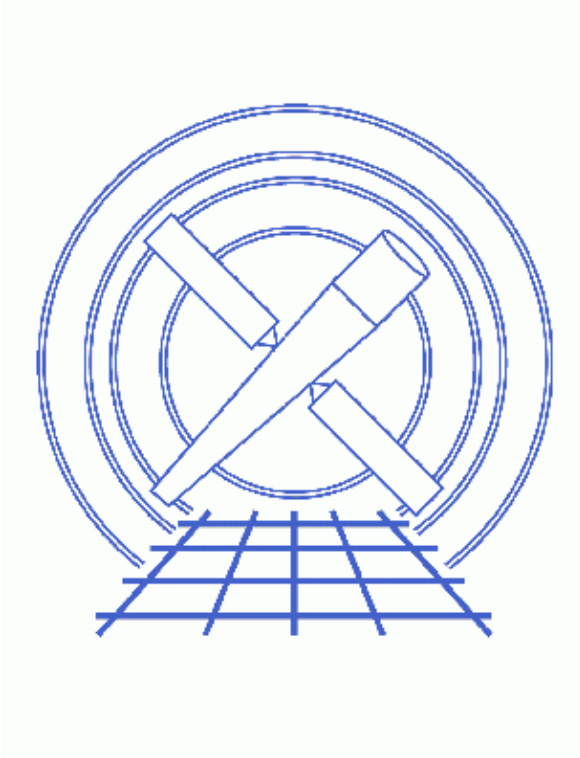
A Note on Processing Versions



CIAO 3.4 Science Threads

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A Note on Processing Versions

CIAO 3.4 Science Threads

Overview

Last Update: 1 Dec 2006 − updated for CIAO 3.4 and CALDB 3.3.0: screen output of `caldb_version.fits`

Synopsis:

The CIAO Science Threads are designed to work with Chandra data that has been created using recent calibration data. In the past we have referred to this as "reprocessed" data, since early datasets have had to be reprocessed using the new calibration files; it now refers to any observation which passes the pipeline version check.

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

Checking the pipeline version

Sample ObsIDs used: 1843 (ACIS−I, G21.5−0.9); 578 (ACIS−S, 3C 295)

File types needed: evt2

The version naming convention changed after version R4CU5UPD14 to the "DS" system, starting with DS 6.0.0. Any data with a processing version of DS 6.0.0 or higher is more recent than R4CU5UPD14.

The processing version information is stored in the ASCDSVER keyword:

```
unix% dmkeypar acisf01843N001_evt2.fits ASCDSVER echo+
R4CU5UPD8.2
```

For a more recent dataset:

```
unix% dmkeypar acisf00578N002_evt2.fits ASCDSVER echo+
6.1.0
```

Checking the CALDB version

It is also useful to check the version of the CALDB used in processing, since the threads reference the CALDBVER header keyword when discussing processing changes:

```
unix% dmkeypar acisf01843N001_evt2.fits CALDBVER echo+
1.4
```

```
unix% dmkeypar acisf00578N002_evt2.fits CALDBVER echo+
2.6
```

The CALDBVER header keyword is not updated by the CIAO tools. The value always reflects the version of the CALDB applied in standard data processing (SDP).

To find out which version of the CALDB you are running on your local system, look in the `caldb_version.fits` file:

```
unix% dmlist "$CALDB/docs/chandra/caldb_version/caldb_version.fits[cols caldb_ver,ciao_ver]" data

--------------------------------------------------------------------------------
Data for Table Block CALDBVER
--------------------------------------------------------------------------------

ROW    CALDB_VER CIAO_VER

     1 1.000   CIAO1.1
     2 1.1     CIAO1.1.1
.
. (output omitted)
.
    51 3.2.3   CIAO3.3.0.1
    52 3.2.4   CIAO3.3.0.1
    53 3.3.0   CIAO3.4
```

This file is automatically updated each time the CALDB is upgraded on your system, so the final row always indicates the current version.

History

22 Dec 2004	updated for CIAO 3.2/CALDB 3.0.0
01 Dec 2005	updated for CIAO 3.3/CALDB 3.2.0: screen output of `caldb_version.fits`
01 Dec 2006	updated for CIAO 3.4 and CALDB 3.3.0: screen output of `caldb_version.fits`

URL: http://cxc.harvard.edu/ciao/threads/reprocessed/ Last modified: 1 Dec 2006