



AHELP for CIAO 3.4

calSetData

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Synopsis

Sets the data product code name for the next CALDB query.

Syntax

```
calSetData( Caldb_Type cal, String_Type name )
```

Description

This function sets the code name of the calibration file that `calFindFile()` will search for, for example "DET_GAIN" for the detector gain table for ACIS data. The full list of names can be found in [the Codename column of table 2](#) of the CALDB description page. Note that some searches require additional boundary conditions to be set up, as described in "ahelp calSetExpression".

This field matches the codename parameter of the `quizcaldb` tool and the case of the string does not matter.

Example 1

```
chips> cal = calCreateInfo("evt2.fits")  
chips> calSetData( cal, "CONTAM" )  
chips> file = calFindFile( cal )
```

Here we have set up the CALDB query with values taken from the header of the file `evt2.fits`, set the field to "CONTAM", and queried the CALDB.

Example 2

```
chips> cal = calCreateInfo("evt2.fits")  
chips> calSetData( cal, "DET_GAIN" )  
chips> calSetExpression( cal, "cti_corr.eq.yes" )  
chips> file = calFindFile( cal )
```

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Here we have set up the CALDB query with values taken from the header of the file evt2.fits, set the field to "DET_GAIN", the boundary condition to restrict the search to CTI-corrected data only, and then queried the CALDB.

Bugs

See the [bugs page for the caldb library](#) on the CIAO website for an up-to-date listing of known bugs.

See Also

caldb

[calcreateinfo](#), [calfindfile](#), [calgetdata](#), [calgetdate](#), [calgetdetector](#), [calgeterror](#), [calgetfilter](#), [calgetinstrument](#), [calgetquery](#), [calgettelescope](#), [calgettime](#), [calprintinfo](#), [calsetdata](#), [calsetdate](#), [calsetdetector](#), [calsetexpression](#), [calsetfilter](#), [calsetinstrument](#), [calsettelescope](#), [calsettime](#)

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URL:
<http://cxc.harvard.edu/ciao3.4/calsetdata.html>
Last modified: December 2006