

*AHELP for CIAO 3.4*

calSetExpression

Context: [caldb](#)

Jump to: [Description](#) [Example](#) [Bugs](#) [See Also](#)

Synopsis

Sets the boundary condition(s) for the CALDB query.

Syntax

```
calSetExpression( Caldb_Type cal, String_Type expr )
```

Description

This routine sets the expression used to define the boundary condition, or conditions, of the CALDB search when `calFindFile()` is called. A value of "-" means that no boundary conditions are to be used.

This field corresponds to the `expr` parameter of the `quizcaldb` tool. See the [CALDB Required Boundary Conditions table](#) to find out if you need to add a boundary condition, or conditions. The conditions are expressed using a syntax similar to FORTRAN boolean expressions, so that

```
cti_corr.eq.yes
```

means that only those files relevant for CTI-corrected data should be searched, while

```
cti_corr.eq.no.and.ccd_id.lt.4
```

means to look for data relevant to non CTI-corrected data whose `ccd_id` field is less than 4 (i.e. the ACIS-I array).

Note that the routine to get the current boundary condition from a CALDB structure is called

```
calGetQuery()
```

Example

```
chips> cal = calCreateInfo
chips> calSetExpression( cal, "cti_corr.eq.yes" )
```

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](#)

modules

[caldb](#)

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian
Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

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