

**NAME**

deticpt\_chipdb – constructs chip position database for the deticpt program

**SYNOPSIS**

**x**deticpt\_chipdb [*--help*|*--version*]

**OPTIONS**

Options which take values are separated from their values by either white space or the = character.

**--hack** Boolean flag. Specifying **--hack** will cause a hack to be applied to the Aimpoint offsets. This hack was designed to force aimpoints to land at positions specified in the POG. **--hack** is off by default, you probably want to leave it off for modern CALDBs.

**--raytrace**

Determine focal distance by raytracing the system. Requires **--traceness** and **--config\_db** to be set.

**--traceness file**

Path to the *trace-ness* executable. **--traceness** is used to determine the OSAC focus position which is used in the *aimpointdb*.

**--config\_db file**

**--traceness** configuration db to use for determining the OSAC focus position which ends up in the *aimpointdb*.

**--xaim, --yaim, --zaim**

The OSAC aimpoint. These must be specified if **--raytrace** is not. **--aimcomment** must also be specified.

**--aimcomment**

Where the OSAC aimpoint came from. Required if not using **--raytrace**.

**--output\_dir directory**

Directory into which to write the results. Three directories will be created within that directory with the names *aimpointdb*, *chipsizedb*, and *chipposdb*.

**--caldb directory**

Top level directory for the CALDB.

**--caldbidx file**

Relative path from **--caldb** to the CALDB index file. The CALDB index file is used to determine which AIMPTS, GEOM, SKY, and TDET files to use.

**--aimpts directory**

AIMPTS file in the CALDB.

**--geom directory**

GEOM file in the CALDB.

**--sky directory**

SKY file in the CALDB.

**--tdet directory**

TDET file in the CALDB.

**--osac**

Boolean flag. **--osac** causes the *chipposdb* LSI position to be output in OSAC coords. Default is off, which is probably what you want.

**--help**

Print this usage info.

**--version**

Print the version info and exit.

**DESCRIPTION**

**mkdbs** creates the aimpoint, chip position, and chip size databases for use by the deticpt program. It generates the databases from information gathered from the CALDB.

**mkdbs** gathers data from the CALDB. The user may specify the path to the CALDB, **-caldb** option and a CALDB index file, **-caldbidx** or may specify each CALDB file used explicitly via the options **-aimpts**, **-geom**, **-sky**, **-tdet**. If the **-caldbidx** is specified, it extracts the locations of the AIMPTS, GEOM, SKY, and TDET files within the CALDB from the index. Otherwise, the individual files as specified by the corresponding options are used.

Outputs are listed in the file 00FILEDESC.txt included in this distribution.

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