

NAME

deticpt_chipdb – constructs chip position database for the deticpt program

SYNOPSIS

xdeticpt_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 **–tracenest** and **–config_db** to be set.

–tracenest *file*

Path to the *trace-nest* executable. **–tracenest** is used to determine the OSAC focus position which is used in the *aimpointdb*.

–config_db *file*

–tracenest 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, **-calddb** 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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