NAME

votiminfo − Print/Get information about a FITS file's structure

SYNOPSIS

votiminfo [-*opts*] <file> [<file> ....]

OPTIONS

The *votiminfo* task accepts the following options:

−h, --help
Print a help summary to the terminal and exit. No processing is done following this flag.

−a, --all
Print information for the entire field in an MEF file, e.g. from a mosaic camera. If not specified, information for each image extension is printed.

−b, --box
Print the LL and UR corners of the image along with the rotation.

−c, --corners
Print all four WCS image corners in the image. The ordering of the corners is LL, UL, UR, LR.

−i, --info
Print all know image information.

−n, --naxes
Print the pixel dimensions of an image.

−o *NAME*, **--output** *NAME*
Write the result to the file *NAME*.

−s, --sex
Print values in sexagesimal format.

DESCRIPTION

The *votiminfo* task is used to get information about the structure of FITS files, e.g. to get the center and radius values that might be used in a VO data query, the corner positions needed to draw a footprint overlay, or simply the dimensionality of a FITS file (or the extensions in an MEF file). If no information options are specified the default is to print the center position and a radius (in decimal degrees if a WCS is present, or in pixels otherwise).

If the *-b* option is used the LL and UR corner positions are printed along with a rotation of the box that represents. The *-c* flag may be used to explicitly print all four corner positions starting at the LL and moving clockwise. The *-n* flag can be used to print the dimensionality of an image, similarly the *-i* flag may be used to print all information about an image determined by the task.

By default, and MEF file will cause information about each extension to be printed. If the *-a* flag is used the requested information for all extensions in an MEF (e.g from a mosaic camera) will be printed. This allows the user the option of getting information about individual rasters within an MEF or the footprint of the entire FOV. CFITSIO is used to read the file and so the syntax to specify an extension number or image section (see the CFITSIO documentation) is allowed by the task.

RETURN STATUS

On exit the **votiminfo** task will return a zero indicating success, or a one indicating an error.

EXAMPLES

1) Print the size of each image extension in an MEF file:

```
% votiminfo -n mef.fits
```

2) Print the LL and UR positions of an image as sexigesimal:

```
% voiminfo -b -s image.fits
```

3) Print the corner positions of an image as decimal degrees:

```
% voiminfo -c image.fits0
```

4) Print the box values for an entire mosaic MEF file:0

```
% voiminfo -b -f pos.txt mef.fits0
```

BUGS

No known bugs with this release.

Revision History

Feb 2013 - First public release

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SEE ALSO

votinfo