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## NAME

fits-dump-hdr - dump FITS keywords

## SYNTAX

fits-dump-hdr *options filename*

## DESCRIPTION

**fits-dump-hdr** reads a header from a FITS file and outputs it in a variety of formats.

## OPTIONS AND ARGUMENTS

Options are specified using a getopt style interface. Long names are available when preceded with double hyphens "--", in which case only the minimal number of characters are required. Options which take values may be separated from those values with the "=" character.

**--fmt** *format*

The output format. run

```
fits-dump-hdr --fmt=list
```

to list the available formats.

**--ext|-e** *extension*

The extension to dump, either an integer or an extension name.

**--key|-k** *spec*

Specify a keyword pattern or filter. This option may be repeated, and allows one to build up a complex set of filters.

**fits-dump-hdr** process the **--key** options in sequence, building up a list of header keywords. Specifying a pattern adds it to the list. Filters are used to remove items from the list.

If the first **--key** option specifies a filter, the list is initialized with all of the possible header keywords. Otherwise, keywords are added by specifying keyword patterns.

A pattern may have one of the following forms:

*keyword*

The exact name of the keyword. Case is not significant.

```
-k tstart -k TSTOP
```

*glob*

A wildcard expression (also known as a glob) as used by shells.

```
-k 'tst*'
```

*/regular expression*

A Perl regular expression.

```
-k '/tst.*'
```

A filter is a pattern which begins with a - or +. If -, items which match the pattern are removed. If a +, items which match the pattern are kept (all others are removed).

Keywords are case insensitive. By default all interesting keywords are shown. See also **--show-uninteresting**.

**--define|-D *key=value***

Add extra fields to output streams supporting named fields (e.g. `rdb`, `json`, `yml`). This may be repeated.

**--show-uninteresting | -U**

By default "uninteresting" (i.e. `COMMENT` and `HISTORY`) keywords are not output if the output keyword list is initially populated with all of the keywords in the FITS header. Specifying this option enables output of these keywords.

**--lc**

Lower-case the keyword names upon output.

**--pfx *string***

A string with which to prefix output keywords.

**--output|-o *output file***

Where to write the output. By default it is written to the standard output stream.

If the file name contains a `%` it is assumed to be a `sprintf` compatible format and is used to create a new file for every HDU, with the zero-based HDU index as the formatted data. For example

`foo_%0d.rdb`

Would generate

`foo_01.rdb foo_02.rdb ...`

**--version**

Output **fits-dump-hdr**'s version information and exit.

**--help**

Output abbreviated help information and exit.

**--man**

Output the full manual and exit.

## AUTHORS

Diab Jerius <djerius@head.cfa.harvard.edu>