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. If no format is given, and a filename is specified with `--output`, the filename extension is used to determine the output format.

--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 key:attr=value*

> Add extra fields to output streams supporting named fields (e.g. `rdb`, `json`, `yml`). This may be repeated.
>
> If *attr* is specified, it is passed on the formatter as is. See the formatter documentation for more information.

--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 ...
> ```
>
> If `--fmt` is not specified, and `--output` is, the extension of the specified file is used to determine the output format.

--version

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

--help

> Output abbreviated help information and exit.

--man

> Output the full manual and exit.

FORMATTER NOTES

rdb

> Attributes attached to extra fields specified by the `--define` option are interpreted as rdb column types (e.g. N, S). To insert an extra numeric field named OBSID into each record:
>
> ```
> fits-dump-hdr -f rdb -D OBSID:N=22 ...
> ```

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