

CFHT FITS Header Registry

Revision 1.0

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The information here is available as HTML. The URL is: http://software.cfht.hawaii.edu/fh_registry/

Abstract

The CFHT FITS header registry is a single C header file, **fh_registry.h**. The registry is an optional CFHT-specific extension to the our FITS handling library **libfh** (which is general, and has a similar interface to the “cfitsio” package.) It is our goal to list all keywords in use by the CFHT data acquisition system in the registry. Since “handlers” in the data acquisition system are compiled against the current version of **fh_registry.h**, it should be authoritative and correct or our source tree will not build.

1 Registry Sorting Number Ranges

Range	Set by:	Reserved for:
0-9.xxx	detcom	FITS structure keywords (must be in order)
5x.xxx	detcom	Summary, ID and observer comment strings
7x.xxx	detcom	General (filename, dates, acquisition configuration)
1xx.xxx	detcom	Detector (size, binning, pixel scale)
3xx.xxx	detcom	World Coordinate System
5xx.xxx	tcs	Telescope (RA/DEC, bonnette, guider)
7xx.xxx	aob	Adaptive Optics
9xx.xxx		Calibration sources
1xxx.xxx	detcom,fipcom, fperoth,mosh sish,geckoh?	Instrument (Filter, shutter, wheel)
4xxx.xxx	fperoth,mosh,sish,geckoh	Spectrograph (grism, ???)
9xxx.xxx	logger	Environment (probe measurements, plant monitoring)
20xxx.xxx	qso	Queue Scheduled Observing system
40xxx.xxx	elixir	Processing pipeline
99xxx.xxx	newdatah	Archive system