

Astro::FITS::CFITSIO::Simple

XSPEC>fit

Chi-Squared	Lvl	Fit param #	1	2	3
924.178	-2	5.087	5.076	0.4056	
305.507	-2	4.525	3.791	0.1249	
140.460	-2	2.930	3.367	6.5553E-02	
			2.243	1.4635E-02	
				1.2275E-02	

NASA's HEASARC: Software

XANADU

FITS - Flexible Image Transport System

- A file format
- Used in science/astronomy
- One or more headers + data
- Not just pictures

```
SIMPLE    =          T / file does conform to FITS standard
BITPIX    =          16 / number of bits per data pixel
NAXIS     =           2 / number of data axes
NAXIS1    =         440 / length of data axis 1
NAXIS2    =         300 / length of data axis 2
```

- `$image = rdfits('foo.fits');`
- `%table = rdfits('foo.fits');`
-
- `@columns = rdfits('foo.fits', 'col1', 'col2');`
- `$column = rdfits('foo.fits', 'col1');`
-
- `$stuff = rdfits('foo.fits',`
- `{ hduname => 'the table' });`