Subject: Re: How to convert text file to fits file Posted by Craig Markwardt on Thu, 22 Apr 2010 20:11:45 GMT View Forum Message <> Reply to Message

On Apr 22, 7:21 am, sid <gunvicsi...@gmail.com> wrote:

- > Hi,
- > I am having text file with two columns one is wavelength and
- > intensity, I need to convert this to fits file, please help me out in
- > this regard
- > regards

A general outline.

First, get the IDL Astronomy Library if you don't already have it.

Next, read your data into IDL variables. It's pretty easy to do something like,
OPENR, 50, 'myfile.dat'
DD = replicate({wavelength: 0d, intensity: 0d}, 100) ;; example; assumes 100 data points

READF, 50, dd ;; Read data into a structure CLOSE, 50

Finally, write to a FITS binary table. The easiest routine to start with is MWRFITS.

MWRFITS, dd, 'myfile.fits'

Of course there are endless variations on data and FITS files, but this should get you started. I just did a practice file, and all these steps worked.

Good luck, Craig