
Subject: Re: How to convert text file to fits file
Posted by [Craig Markwardt](#) on Thu, 22 Apr 2010 20:11:45 GMT
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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

Subject: Re: How to convert text file to fits file
Posted by [David Fanning](#) on Thu, 22 Apr 2010 20:19:42 GMT
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Craig Markwardt writes:

> 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.

Craig, it is wonderful to see you back on the IDL newsgroup so frequently, answering all manner of questions. Is this part of a work-release program or what? ;-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Seppure ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: How to convert text file to fits file

Posted by [Craig Markwardt](#) on Thu, 22 Apr 2010 23:32:09 GMT

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On Apr 22, 4:19 pm, David Fanning <n...@dfanning.com> wrote:

> Craig Markwardt writes:

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>> these steps worked.

>

> Craig, it is wonderful to see you back on the IDL newsgroup

> so frequently, answering all manner of questions. Is this

> part of a work-release program or what? ;-)

Haha, thanks. They let me out on weekends :-)

More seriously, I have a slightly better way of reading Usenet (using Google Reader), so I'm more likely to read and then answer.

Good to see you're still here fighting the good fight!

Craig

Subject: Re: How to convert text file to fits file

Posted by [sid](#) on Tue, 27 Apr 2010 05:18:30 GMT

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On Apr 23, 4:32 am, Craig Markwardt <craig.markwa...@gmail.com> wrote:

> On Apr 22, 4:19 pm, David Fanning <n...@dfanning.com> wrote:

>

>> Craig Markwardt writes:

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>
> More seriously, I have a slightly better way of reading Usenet (using
> Google Reader), so I'm more likely to read and then answer.
>
> Good to see you're still here fighting the good fight!
>
> Craig

Thank you craig, it works
