
Subject: convert .dat to .fits

Posted by [Ali Gamal](#) on Wed, 19 Jun 2013 19:12:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

hi

i have data.dat i want to convert it to .fits

by using idl

please help

bye

Subject: Re: convert .dat to .fits

Posted by [David Fanning](#) on Wed, 19 Jun 2013 19:20:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

Ali Gamal writes:

> i have data.dat i want to convert it to .fits

> by using idl

I don't want to be a pessimist, but I think you really want to be using
MatLab here. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: convert .dat to .fits

Posted by [wlandsman](#) on Wed, 19 Jun 2013 19:29:20 GMT

[View Forum Message](#) <> [Reply to Message](#)

You need to read your data.dat into an IDL variable and then write it to FITS.

We need to know more about the format of your data.dat file before we can tell you how to read it.

If it is a binary file, then you can use READ_BINARY()

`im = read_binary('data.dat')` ;Read data into variable

`writefits,'test.fits',im` ;Write variable to a FITS file 'test.fits'

You need to get writefits.pro from the IDL Astronomy library if you don't already have it.
<http://idlastro.gsfc.nasa.gov/>

On Wednesday, June 19, 2013 3:12:46 PM UTC-4, Ali Gamal wrote:

> hi
>
> i have data.dat i want to convert it to .fits
>
> by using idl
>
> please help
>
> bye

Subject: Re: convert .dat to .fits
Posted by [Russell Ryan](#) on Wed, 19 Jun 2013 19:34:10 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, June 19, 2013 3:12:46 PM UTC-4, Ali Gamal wrote:

> hi
>
> i have data.dat i want to convert it to .fits
>
> by using idl
>
> please help
>
> bye

Well, since you've given no information about what the data.dat file contains or what *TYPE* of fits file you want, it's truly impossible to answer your question without some snarky comment. Maybe you should tell us more about the data in the data.dat file, more about the structure of the output you'd like, and where exactly you're stuck. Just for good measure, also tell us is the data.dat file an ascii file or some other goofy thing. What precisely do you mean by "fits" file --- do you mean flexible image transport system used primarily in astronomy? We all need to be on the same page here, and you're not very forthcoming with information.

Subject: Re: convert .dat to .fits
Posted by [Ali Gamal](#) on Thu, 20 Jun 2013 13:17:12 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, June 19, 2013 9:12:46 PM UTC+2, Ali Gamal wrote:

> hi
>
> i have data.dat i want to convert it to .fits

>
> by using idl
>
> please help
>
> bye
.....
thanks all
i using astronomy program
now my output is .jpg
i want to make my output .fits
how can i make it
thanks bye
