

Subject: Re: Q: raw data conversion

Posted by 8015 on Tue, 20 Sep 1994 17:04:02 GMT

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In article <1994Sep19.110600.24425@msuvx1.memphis.edu>, PAVAN VEMULAKONDA <pvemulakonda@cc.memphis.edu> wrote:  
> I have some image data files with plain integer values of the pixel intensity.  
> I want to convert them into any of the following formats tiff,gif,jpeg etc.  
> How can I do that. How can I read the raw integer data as an image data in IDL.  
> Plz help me with this problem.  
>  
> thanks

I assume you know the size of the file in X,Y dimensions. Let's say the file is 1024(X) x 768(Y). The commands should be:

```
IDL> ifile = "name of your input file" ; input integer file  
IDL> ofile = "name of your output file" ; output gif file  
IDL> image = intarr(1024, 768) ; create array for storing data  
IDL> openr, lun, ifile, /get_lun ; open the input file  
IDL> readu, lun, image ; read the input file into the data array  
IDL> free_lun, lun ; free the file lun  
IDL> write_gif, ofile, bytscl(image) ; not sure if bytscl() is needed
```

For tiff files, sub `tiff_write` for `write_gif`. For jpeg, sub `write_jpeg` for `write_gif`. Look in the "data\_io" and "routines" categories in the help section for other formats.