

---

Subject: Re: Q: raw data conversion

Posted by [Jacques](#) on Mon, 19 Sep 1994 17:24:38 GMT

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

---

In article <1994Sep19.110600.24425@msuvx1.memphis.edu>, pvemulakonda@cc.memphis.edu (PAVAN VEMULAKONDA) says:

>  
> 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

For the raw 8bit/pix --> tif, gif, jpg, look at a shareware program called Image Alchemy. You should find it on any SIMTEL mirror in the msdos/graphics subdir. The version I use is 1.7.

Regards,

Alain

---

---

Subject: Re: Q: raw data conversion

Posted by [fskmjm](#) on Tue, 20 Sep 1994 09:32:52 GMT

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

---

In article <1994Sep19.110600.24425@msuvx1.memphis.edu> pvemulakonda@cc.memphis.edu (PAVAN VEMULAKONDA) writes:

> 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

```
xsize=.....  
ysize=.....  
filename=pickfile()
```

```
image = intarr(xsize,ysize)  
openr,lun,filename,/get  
readu,lun,image  
free_lun,lun
```

Make sure however that the order that your intensities are stored in, is the same as that which IDL uses when reading.

---

---

Subject: Re: Q: raw data conversion  
Posted by [8015](#) on Tue, 20 Sep 1994 17:04:02 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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.

Mike Schienle                      Hughes Santa Barbara Research Center  
8015@sbsun0010.sbrc.hac.com              75 Coromar Drive, M/S B28/87  
Voice: (805)562-7466    Fax: (805)562-7881              Goleta, CA 93117

---