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Subject: Re: read/writing tiff files

Posted by [alex\\_panton](#) on Sat, 28 Jun 2003 21:17:49 GMT

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thanks for all your advice, literally straight after i posted though i managed to get it to work.. typical!

cheers

alex

David Fanning <david@dfanning.com> wrote in message news:<MPG.19675378bd56891a989693@news.frii.com>...

> Alexandra Panton writes:

>

>> my code so far...

>>

>> stuff = ('f:\ftp\_web\_root\Recent\hawaii\GOES\_9\all')

>> store = ('d:\goes\hawaii')

>>

>> cd, stuff

>> ...

>> outname=input+'bt' ;output file name;

>> cd, store

>> openw,1, outname ;opens a file with outname filename;

>> write\_tiff,input ;writes a tiff file of input array

>> close,1

>> free\_lun,1

>> x=x+1 ;loops round to next image;

>> endwhile

>> end

>>

>> When i run this it stops at the openw command with a type conversion

>> error: Unable to convert given STRING to Byte.

>

> When you get the error message, you should read it carefully

> to see what line the error occurs on. Then you go to that

> line in the program and stare at it for a period of time that

> is inversely proportional to the time you have been working

> with IDL (or sometimes, in rare cases, or if you are under

> a tight deadline, a hell of a lot longer).

>

> In your case, you will probably be looking at this line:

>

> outname=input+'bt' ;output file name;

>

> What's wrong with it? Hard to say on the surface. The

> code looks good, no quotes missing or anything. Everything's

> spelled OK. But what are you trying to do? Create an output  
> filename, right? A string. Are your arguments strings? Well,  
> don't know. Let's see.

>

> IDL> Help, input

> INPUT        BYTE     = Array[360, 360]

>

> A byte array!? That's not what I thought input was!

>

> Uh, huh. And that's the problem. In fact, now the  
> error message makes some sense. You are trying to  
> add apples and oranges and the computer is telling you  
> it doesn't know how to do that.

>

> You probably meant something like this:

>

>    outname = files[x] + 'bl'

>

> Or, perhaps something more sophisticated, like this:

>

>    name = StrSplit(files[x], '.', /Extract)

>    outname = name[0] + 'bl.' + name[1]

>    Print, files[x], outname

>    picture123.tif   picture123bl.tif

>

> OK, fix that, then recompile and run it again.

>

> What!? Another error! Oh, oh. This is too much like  
> work. No wonder I don't write programs for a living.  
> This kind of stuff drives me crazy!!!

>

> What the hell is the matter with that WRITE\_TIFF line!?  
> I copied that from Mike's program and \*his\* works!

>

> Oh, wait a minute. Maybe I copied that from his  
> program that didn't work. :-(

>

> In any case, I would turn this (which surely won't work):

>

>    cd, store

>    openw,1, outname ;opens a file with outname filename;

>    write\_tiff,input ;writes a tiff file of input array

>    close,1

>    free\_lun,1

>

> Into this:

>

>    cd, store

> write\_tiff, outname, input  
>  
> \*Then\* we might get somewhere! :-)  
>  
> Cheers,  
>  
> David

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