
Subject: read/writing tiff files

Posted by [alex_panton](#) on Sat, 28 Jun 2003 10:41:52 GMT

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ok, this is probably a really simple question but having decided that having 500+ images to process I needed to do some idl programming ! What i want to do is really simple - but as with all things and computers simple rapidly progresses to the impossible :)

Here's what I want to do:

I have a directory on my computer with all my images, - tiff files in, I want to read them into an array - I can do this bit, apply my processing steps (having trouble with that!), then write the output as a tiff or jpg file.

I have managed to do this to a fashion but it writes blank files - very useful!

my code so far...

```
stuff = ('f:\ftp_web_root\Recent\hawaii\GOES_9\all')
store = ('d:\goes\hawaii')
```

```
cd, stuff
files=file_search('*.tiff', COUNT=numFiles);searches for the tiff
files;
x=0
while(x le numFiles-1) do begin ;while loop so i do every image in the
directory;
  cd,stuff
  input=read_tiff(files(x)) ;reads the tiff file into array;
  dimensions=size(input, /dimensions)
  print, dimensions ;prints image dimensions;

  ;input=(330-(0.5*input)); ;this is the processing i want to apply
though i know its not as simple as that but thats for next week!)
  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.

If anyone can give me some advice on what i am doing wrong or where i can read some helpful tips (i have read most of the online sites posted here)

Thanks in advance
kind regards

alex
