
Subject: Re: does the image size matters?

Posted by [David Fanning](#) on Mon, 14 Jun 2004 02:09:19 GMT

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Adhara writes:

```
> Hello, excuse the inconvenience if my message disturbs you..
>
> I just have one question....
> I finally was able to transform the bitmap into images. As a trial, I
> did that at first with 50x50pixels and it worked just fine. However,
> for the real thing, I need it for 200x200 but it is not running...The
> error message is:
>
> %READ_ASCII:File " 0" not found.
> %Error occurred at:READ_ASCII 731 c:\rsi\idl55\lib\read_ascii.pro
> % $MAIN$ 13 c:\RSI\IDL60\lib\transform.PRO
> % Execution halted at: $MAIN$ 13
> c:\RSI\IDL60\lib\transform_bit_image.pro
>
>
> MY CODE IS AS FOLLOWS:
>
> files=Findfile('*.bit')
>
> for j=0,N_Elements(files)-1 DO BEGIN
>   cadena2=string(files[j])
>   archivo=READ_ASCII(cadena2)
>   cadena='gv'+string(j)+'tif'
>   WRITE_TIFF,cadena,archivo.FIELD01
> endfor
>
> end
>
> Thank you for your kind help,
```

Are you sure that your "bit" files are ASCII files and not binary files? This is the kind of message READ_ASCII would give if it appeared the file contained binary data rather than ASCII data. Also, are you sure the variable cadena2 is the name of one of your files? Have you printed the variable files to be sure you are finding the files you think you are finding? (And no need to covert files to a string variable. It *is* a string variable already.)

Cheers,

David

P.S. Did you create the "bit*" files yourself? What commands did you use to write the files?

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

Subject: Re: does the image size matters?

Posted by [adharac](#) on Mon, 14 Jun 2004 14:45:44 GMT

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Thank you, let me explain you the situation:

1. I did the program first to run for one array, as follows:

```
archivo = READ_ASCII(FILEPATH('gv04.bit', ROOT_DIR='c:\',$  
SUBDIRECTORY=['RSI','IDL55','lib']))
```

```
archivo = READ_ASCII(FILEPATH('gv04.bit'))  
WRITE_TIFF,'gv04.tif',archivo.FIELD01  
end
```

2. It worked for 50x50, and I actually produced the image. I tried the same program but for 200x200, and an error message appears saying:

```
% Tag name FIELD01 is undefined for structure <Anonymous>.
```

```
% Execution halted at: $MAIN$          5
```

```
C:\RSI\IDL55\lib\transform.pro
```

4. The image was not produced

5. The file of [50,50] is exactly like the one [200,200] except for the size. When opened in Excel all the numbers of one row appear in the same cell. If I change the extension, and open it in notepad, the numbers appear separated by tabs. (Ascii file, isn't it??)

6. Then I used the following program to do it for 69 files:

```
files=FindFile('*.*.bit')  
for j=0,N_Elements(files)-1 DO BEGIN  
  cadena2=string([j])  
  archivo = READ_ASCII(cadena2)  
  cadena = 'gv' + string([j]) + '.tif'  
  WRITE_TIFF,cadena,archivo.FIELD01  
endfor
```

```
end
```

7. I tried: print, Archivo. The 255 and zeros appear (not properly aligned, zeros have more decimals than 255s),however, this did not show when opening the original file with excel or notepad...I think the problem is here....not?

8. If that is the case, how can I get rid of those extra zeros that I didn't creat!!??

Regards,
Adhara

Subject: Re: does the image size matters?

Posted by [David Fanning](#) on Mon, 14 Jun 2004 15:11:47 GMT

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Adhara writes:

```
> Thank you, let me explain you the situation:
> 1. I did the program first to run for one array, as follows:
>
> archivo = READ_ASCII(FILEPATH('gv04.bit', ROOT_DIR='c:\',$
> SUBDIRECTORY=['RSI','IDL55','lib']))
>
> archivo = READ_ASCII(FILEPATH('gv04.bit'))
> WRITE_TIFF,'gv04.tif',archivo.FIELD01
> end
>
> 2. It worked for 50x50,and I actually produced the image. I tried the
> same program but for 200x200, and an error message appears saying:
> % Tag name FIELD01 is undefined for structure <Anonymous>.
> % Execution halted at: $MAIN$          5
> C:\RSI\IDL55\lib\transform.pro
>
> 4. The image was not produced
>
> 5. The file of [50,50] is exactly like the one [200,200] except for
> the size. When opened in Excel all the numbers of one row appear in
> the same cell. If I change the extension, and open it in notepad, the
> numbers appear separated by tabs. (Ascii file, isn't it??)
>
> 6. Then I used the following program to do it for 69 files:
> files=FindFile('*.bit')
> for j=0,N_Elements(files)-1 DO BEGIN
>   cadena2=string([j])
>   archivo = READ_ASCII(cadena2)
>   cadena = 'gv' + string([j]) + '.tif'
>   WRITE_TIFF,cadena,archivo.FIELD01
```

> endfor
>
> end
>
> 7. I tried: print, Archivo. The 255 and zeros appear (not properly
> aligned, zeros have more decimals than 255s), however, this did not
> show when opening the original file with excel or notepad...I think
> the problem is here....not?

I don't think so. :-)

> 8. If that is the case, how can I get rid of those extra zeros that I
> didn't creat!!??

Judging from the mail this morning, I think we probably need
a tutorial on formatting data. :-)

But do this. Forget READ_ASCII. Try this:

```
OpenR, lun, 'gv04.bit', /Get_Lun  
array = FltArr(50,50) ; Or maybe this is (200,200). You tell me.  
ReadF, lun, array  
Free_Lun, array  
Help, array
```

Does that work? When you display it as an image, does
it look correct?

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Subject: Re: does the image size matters?
Posted by [adharac](#) on Mon, 14 Jun 2004 15:28:50 GMT
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Thank you, let me explain you the situation:

1. I did the program first to run for one array, as follows:

```
archivo = READ_ASCII(FILEPATH('gv04.bit', ROOT_DIR='c:\',$  
SUBDIRECTORY=['RSI','IDL55','lib']))
```

```
archivo = READ_ASCII(FILEPATH('gv04.bit'))
WRITE_TIFF,'gv04.tif',archivo.FIELD01
end
```

2. It worked for 50x50, and I actually produced the image. I tried the same program but for 200x200, and an error message appears saying:
% Tag name FIELD01 is undefined for structure <Anonymous>.
% Execution halted at: \$MAIN\$ 5
C:\RS\IDL55\lib\transform.pro

4. The image was not produced

5. The file of [50,50] is exactly like the one [200,200] except for the size. When opened in Excel all the numbers of one row appear in the same cell. If I change the extension, and open it in notepad, the numbers appear separated by tabs. (Ascii file, isn't it??)

6. Then I used the following program to do it for 69 files:

```
files=FindFile('*.bit')
for j=0,N_Elements(files)-1 DO BEGIN
  cadena2=string([j])
  archivo = READ_ASCII(cadena2)
  cadena = 'gv' + string([j]) + '.tif'
  WRITE_TIFF,cadena,archivo.FIELD01
endfor
```

end

7. I tried: print, Archivo. The 255 and zeros appear (not properly aligned, zeros have more decimals than 255s), however, this did not show when opening the original file with excel or notepad...I think the problem is here....not?

8. If that is the case, how can I get rid of those extra zeros that I didn't creat!??

Regards,
Adhara

Subject: Re: does the image size matters?
Posted by [Chris\[1\]](#) on Mon, 14 Jun 2004 20:19:28 GMT
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"Adhara" <adharac@hotmail.com> wrote in message
news:4cbae60f.0406140728.4606308c@posting.google.com...
> Thank you, let me explain you the situation:
> 1. I did the program first to run for one array, as follows:

```
>
> archivo = READ_ASCII(FILEPATH('gv04.bit', ROOT_DIR='c:\',$
> SUBDIRECTORY=['RSI','IDL55','lib']))
>
> archivo = READ_ASCII(FILEPATH('gv04.bit'))
> WRITE_TIFF,'gv04.tif',archivo.FIELD01
> end
>
> 2. It worked for 50x50, and I actually produced the image. I tried the
> same program but for 200x200, and an error message appears saying:
> % Tag name FIELD01 is undefined for structure <Anonymous>.
> % Execution halted at: $MAIN$          5
```

IDL has a peculiar naming procedure for the field element in the structure returned by "read_ascii" when you do it without a template. Put a "stop" after your call to "read_ascii", and when the program halts, type in

help, archivo, /struct

This will tell you the field name (I think it will be something like field001)

Chris
