
Subject: write_png

Posted by [Kenlo Nishida](#) on Wed, 26 Dec 2001 07:22:29 GMT

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Have anyone tried write_png to create image file in PNG format? Whenever I tried, the output image is very different from original one, containing lots of stripes of blank.

When I tried write_bmp instead of write_png, it's OK. Therefore, I guess it is due to some errors in write_png. My IDL is version 5.5 on Linux.

Thanks.

--

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Subject: Re: write_PNG

Posted by [K. Bowman](#) on Thu, 16 Sep 2004 21:19:13 GMT

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In article <4cbae60f.0409161315.5738b3c5@posting.google.com>, adharac@hotmail.com (Adhara) wrote:

> I want to write PNG frames but my data does not come from an array
> itself, but from the output of Flow3 and Plots. Is it possible to use
> Write_PNG from this?

PLOT, ...

```
image = TVRD(TRUE = 1) ;24-bitdisplay  
WRITE_IMAGE, 'plot.png', 'PNG', image ;Write PNG
```

Ken Bowman

Subject: Re: write_PNG

Posted by [Michael Wallace](#) on Fri, 17 Sep 2004 14:41:54 GMT

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```
> PLOT, ...
> image = TVRD(TRUE = 1)           ;24-bitdisplay
> WRITE_IMAGE, 'plot.png', 'PNG', image ;Write PNG
>
>
> Ken Bowman
```

Or....

Use David's TVRead() command so that you don't have to be concerned with the whole 8-bit vs 24-bit thing.

```
image = tvread()
write_png, 'plot.png', image
```

Just another way to skin a cat.

-Mike

Subject: Re: write_PNG

Posted by [K. Bowman](#) on Fri, 17 Sep 2004 14:49:06 GMT

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In article <10klttimk7lnb76@corp.supernews.com>,
Michael Wallace <mwallace.no.spam@no.spam.swri.edu.invalid> wrote:

```
> Use David's TVRead() command so that you don't have to be concerned with
> the whole 8-bit vs 24-bit thing.
>
> image = tvread()
> write_png, 'plot.png', image
>
> Just another way to skin a cat.
>
> -Mike
```

If I remember right, it's not really an 8-bit or 24-bit issue. It's that WRITE_PNG expects the image to be interleaved over the first dimension. I usually interleave 24-bit images over the 3rd dimension, so I have to remember to set TRUE = 1 in TVRD.

I don't have an 8-bit display to test it with. Is TRUE = 1 ignored in that case?

Ken

Subject: Re: write_PNG

Posted by [Michael Wallace](#) on Fri, 17 Sep 2004 15:18:05 GMT

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> If I remember right, it's not really an 8-bit or 24-bit issue. It's
> that WRITE_PNG expects the image to be interleaved over the first
> dimension. I usually interleave 24-bit images over the 3rd dimension,
> so I have to remember to set TRUE = 1 in TVRD.
>
> I don't have an 8-bit display to test it with. Is TRUE = 1 ignored in
> that case?

I really don't know if it's ignored or not.

My 8-bit vs 24-bit comment was based on the documentation in TVRead.
One thing I had forgotten about TVRead() is that a file output option is
included, so just one call to TVRead() will be able to read the display
and write an image file.

--- From the documentation ---

To get accurate screen dumps with the IDL command TVRD on 24-bit PC and
Macintosh computers, you have to be sure to set color decomposition on.
This program adds that capability automatically. In addition, the
program will optionally write BMP, GIF, JPEG, PICT, PNG, and TIFF color
image files of the screen dump.

```
image = TVREAD(xstart, ystart, ncols, nrows)
```

The returned image will be a 2D image on 8-bit systems and a 24-bit
pixel interleaved true-color image on 24-bit systems.
