
Subject: Re: How to directly write figure to png without open x-window in IDL5.4?

Posted by [Craig Markwardt](#) on Thu, 14 Nov 2002 04:24:25 GMT

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

David Fanning <david@dfanning.com> writes:

> Ninghai Sun (ninghai@whidc.com) writes:

>

>> Now, I first write to PS and then convert to png in cronjob. No

>> problem in linux. But if logout of Linux when the idl code is running,

>> always get error that no x-window is opened. Any idea how to figure it

>> out?

>

> Use the Z-buffer for a window.

>

> thisDevice = !D.Name

> Set_Plot, 'Z'

> LOADCT, 5 ; of whatever you do to load colors

> TVLCT, r, g, b, /GET

> Device, Z_Buffer=0, Set_Resolution=[400, 300] ; or whatever

> TV, image ; Or, whatever graphics you display

> snapshot = TVRD()

> Set_Plot, thisDevice

> Write_PNG, 'myfile.png, snapshot, r, g, b

Speaking of being stuck in IDL 5.4, I have found that TVRD() and WRITE_PNG have two slightly different behaviors, depending on whether IDL 5.4 (or earlier), or 5.5 are used. In the earlier versions, the graphic is vertically flipped. In my little Z buffer PNG screen capture code, I have something like this to test for IDL version:

```
img = tvrd()
if float(!version.release) LT 5.5 then $
  img = reverse(img, 2)

write_png, filename, img, ctab, ctab, ctab
```

Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
