
Subject: Re: Bus Error on Mac when TVRD() is called in IDL 6.4

Posted by [Michael Galloy](#) on Fri, 21 Aug 2009 20:43:24 GMT

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Ed wrote:

> I've been getting bus errors when I call TVRD() or TVREAD() on my Mac.
> I'm running IDL 6.4 under OS 10.4.11 on a Mac G4. All plot commands
> that I can think of execute successfully, and my DISPLAY environment
> variable is properly set (:0.0), since I'm in a single user
> environment.
>
> This seems to be a different animal than the similar problem discussed
> by David
> Fanning in 2006 for IDL 6.3 on a Mac (<http://www.dfanning.com/tips/maccrash.html>).
> He includes a link to the thread,
> http://groups.google.com/group/comp.lang.idl-pvwave/browse_frm/thread/90f0e0e47b99f2c1/7e3421b4f6a1273d?hl=en#7e3421b4f6a1273d
>
> Mike Galloy pointed out there that under 6.3 the command "help,
> device" also caused a crash, but "help,/device" works fine for me.
>
> IDL> help,/device
> Available Graphics Devices: CGM HP LJ NULL PCL PRINTER PS REGIS TEK X
> Z
> Current graphics device: X
> Server: X11.0, The XFree86 Project, Inc, Release 40400000
> Display Depth, Size: 24 bits, (1280,800)
> Visual Class: TrueColor (4)
> Bits Per RGB: 8 (8/8/8)
> Physical Color Map Entries (Emulated / Actual): 256 / 256
> Colormap: Private, 16777216 colors. Translation table: Enabled
> Graphics pixels: Combined, Dither Method: Ordered
> Write Mask: 16777215 (decimal) ffffff (hex)
> Graphics Function: 3 (copy)
> Current Font: <default>, Current TrueType Font: <default>
> Default Backing Store: Req from Server.
>
> If my memory is correct, calls to TVRD used to work fine on this
> system several months ago. Could Mac's upgrades have caused this
> problem? Or should I upgrade X11?

Any manual updates to X11 that you have done are wiped out by the software updates to the system. Since I've been getting updates from the XQuartz project (and re-applying after I do any software updates), things have been fine for me. Get the updates here:

<http://xquartz.macosforge.org/trac/wiki>

By the way, you can receive an email when new X11 versions come out if you register on the site and then hit the "Watch page" link in the upper right of this page:

<http://xquartz.macosforge.org/trac/wiki/Releases>

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