Subject: Re: cgimage not generating output with cgps\_open and cgps\_close (fine in X window).

Posted by JTMHD on Mon, 20 Oct 2014 19:52:23 GMT

```
On Monday, 20 October 2014 19:06:14 UTC+1, David Fanning wrote:
> David Fanning writes:
>
>
>
   Well, leave the XSCALE and YSCALE keywords off your cglmage command.
>>
   They aren't needed (cglmage does this automatically), and they are
>>
>
>> somehow (don't understand it yet) screwing things up.
>
  Alright, here is what is happening. This is a combination of the usual
>
  keyword inheritance nonsense, with a little twist from IDL letting you
  abbreviate keyword names.
>
>
  The proper way to set axis properties in cglmage is via the AXKeywords
>
  keyword, which no one can figure out how to use. So I allow a *limited*
>
  number of axis keywords to be used on the cglmage command line (e.g.,
>
  xrange and yrange). I don't forbid you to use XSCALE and YSCALE keywords
>
  (the ol' keyword inheritance problem), but there should be no reason to
>
>
  use them, either. cglmage knows what it is doing and does axis things
>
  correctly.
>
>
>
  Had you actually used XSCALE and YSCALE keywords, instead of their
>
  shorted form XS and YS, you would have received an error message, since
>
> these keywords are passed along to the TV command. They don't mean
>
```

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anything to the TV command, so the TV command complains. But, in their
>
>
  shortened form, XS and YS, they are interpreted by the TV command as the
>
>
  XSIZE and YSIZE keywords, and they will overwrite the XSIZE and YSIZE
>
>
  values cglmage uses internally to size a PostScript image. (The XSIZE
>
>
  and YSIZE keywords are only used by the TV command when in the
>
  PostScript device.) As a result, and this is why you weren't getting an
>
>
  error, your image was being sized to a one-by-one pixel, which was being
>
>
  displayed correctly in your output. :-)
>
>
>
>
  Cheers,
>
>
>
>
  David
>
>
>
>
>
  David Fanning, Ph.D.
>
>
  Fanning Software Consulting, Inc.
>
>
  Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")
```

Thank you for reply - I can happily confirm that this fixes the problem. I guess the reason I've not came up against this in the past is that for some reason its only today that I've absent-mindedly stuck the xs=1,ys=1 keywords in despite not needing them (perhaps a habit from other plotting!).

I would just like to stress how much time I think your answer has saved me - I was copying and pasting the code from a little text file so who knows how long it would have been before I would have typed it out again without those keywords and perhaps noticed the culprit!

Thanks,

Hi David,

## Jonathan

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