
Subject: Re: tv and tvscl problems

Posted by [David Fanning](#) on Tue, 14 Feb 2006 21:17:00 GMT

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

JJMeyers2@gmail.com writes:

> I am trying to display an image using tv and atv and I have some
> problems.
> First, I read my .fits file using readfits:
>
> device,decomposed=0 (because I have a 24-bit display mode)
> IDL>img1=readfits('example.fits',h)
>
> and then I try to use tv:
> IDL>tv,img1
> What I get from the tv command is:
> % Program caused arithmetic error: Floating illegal operand
> and a small part of my image appears zoomed in, in the idl window but
> not the whole image.
> When I type:
> IDL>tvscl,img1
> the result is that my idl window turns completely white and nothing
> shows up on it.
>
> Any suggestions on what might be the problem?

Sounds to me like your image has values in it you weren't expecting. What are the minimum and maximum values in the data? Do you, perhaps, need to byte swap your data? (This is the usual case when the data is SO not what you expect!)

From your description, it sounds like there is a VERY low value in this data set, so that when the data is scaled, most of the data you are interested in is crunched into the lightest possible colors. Learn to scale the data yourself with BYTSCL, and become familiar with the MAX and MIN keyword. They are your friends. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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