
Subject: Re: idl 5.3, problem with plots and mapping environments

Posted by [davidf](#) on Fri, 28 Apr 2000 07:00:00 GMT

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William Daffer (vapuser@catspaw.jpl.nasa.gov) writes:

> I've just run into a strange problem with PLOTS and mapping
> environments that seems to be new with IDL 5.3.

Uh, better get this one to RSI ASAP so they can get to work
on it before IDL 5.4 is released. This just looks like a
programmer error to me. :-(

Cheers,

David

--

David Fanning, Ph.D.

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

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Subject: Re: idl 5.3, problem with plots and mapping environments

Posted by [ronn](#) on Sun, 30 Apr 2000 07:00:00 GMT

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William,

I agree with David that this looks like a programming error. Now I am
going to go and check my over the pole cases to see if I get a similiar
error!

> But now I have to find a way to determine that a mapping environemt
> is in place inside the plotter -- and a cursory, but fairly
> thorough examination of the !map environment variable revealed no
> obvious way to make this determination, or send in a keyword telling
> the plotter that it's in a mapping environment and please check
> for boundary cases like plotting over a pole. Which means I have to
> chase through all my code changing the calls.

You can check to see if the mapping environment is current with the
!x.type variable. If !x.type = 3 then map_set has been called.

-Ronn

--

Ronn Kling

Ronn Kling Consulting

email: ronn@rlkling.com

"Application Development with IDL" programming book updated for IDL5.3!

Shareware and Freeware at: <http://www.rlkling.com/>

Sent via Deja.com <http://www.deja.com/>

Before you buy.

Subject: Re: idl 5.3, problem with plots and mapping environments

Posted by [daffer](#) on Mon, 01 May 2000 07:00:00 GMT

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>
> William Daffer (vapuser@catspaw.jpl.nasa.gov) writes:
>
>> I've just run into a strange problem with PLOTS and mapping
>> environments that seems to be new with IDL 5.3.
>
> Uh, better get this one to RSI ASAP so they can get to work
> on it before IDL 5.4 is released. This just looks like a
> programmer error to me. :-(
>
>

Really? What error? Why?

> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
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Subject: Re: idl 5.3, problem with plots and mapping environments

Posted by [daffer](#) on Mon, 01 May 2000 07:00:00 GMT

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In article <8eiamr\$a3v\$1@nnrp1.deja.com> Ronn Kling <ronn@rlkling.com> writes:

From: Ronn Kling <ronn@rlkling.com>
Newsgroups: comp.lang.idl-pvwave
Date: Sun, 30 Apr 2000 22:05:21 GMT
Organization: Deja.com - Before you buy.
Lines: 30
References: <88snw5omxi.fsf@catspaw.jpl.nasa.gov>
NNTP-Posting-Host: 63.20.81.80
X-Article-Creation-Date: Sun Apr 30 22:05:21 2000 GMT
X-Http-User-Agent: Mozilla/4.7 [en] (WinNT; U)
X-Http-Proxy: 1.0 x33.deja.com:80 (Squid/1.1.22) for client 63.20.81.80
X-MyDeja-Info: XMYDJUIDrIkling
Path: newsfeed.jpl.nasa.gov!news.spies.com!news.sgi.com!news.maxwe
ll.syr.edu!newspeer.monmouth.com!nntp2.deja.com!nnrp1.deja.c om!not-for-mail
Xref: newsfeed.jpl.nasa.gov comp.lang.idl-pvwave:16254

>William,

>I agree with David that this looks like a programming error. Now I am
>going to go and check my over the pole cases to see if I get a similiar
>error!

Didn't you try the example I posted?

>>But now I have to find a way to determine that a mapping environemt
>> is in place inside the plotter -- and a cursory, but fairly
>> thorough examination of the !map environment variable revealed no
>> obvious way to make this determination, or send in a keyword telling
>> the plotter that it's in a mapping environment and please check
>>for boundary cases like plotting over a pole. Which means I have to
>> chase through all my code changing the calls.

> You can check to see if the mapping environment is current with the
> !x.type variable. If !x.type = 3 then map_set has been called.

Thanks for this tip, I'll give it a try, but I still don't see why
I have to. If RSI can wrap longitudes, they can wrap latitudes as
well.

> -Ronn
