Subject: Re: Overlaying multiple plots on top of map

Posted by David Fanning on Fri, 04 Nov 2011 22:46:48 GMT

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Axel writes:

> Using plot,/noerase lets me overplot onto of the map, but I
> can't figure out how to control the position.

I think I would use the POSITION keyword. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Overlaying multiple plots on top of map

Posted by Axel[1] on Mon, 07 Nov 2011 20:22:56 GMT

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On Nov 4, 2:46 pm, David Fanning <n...@dfanning.com> wrote:
> Axel writes:
>> Using plot,/noerase lets me overplot onto of the map, but I
>> can't figure out how to control the position.
>
> I think I would use the POSITION keyword. :-)
>
> Cheers,
>
> David
>
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming:http://www.idlcoyote.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

David,
Thanks for your reply. I played around with that before. When I issue
a map_set command followed by a plot command with /noerase and

position:

```
 MAP_SET, /LAMBERT, 90, 0, -55, /ISOTROPIC, $
      /GRID, LATDEL=10, LONDEL=10, $
      /CONTINENTS, E_CONTINENTS={FILL:1}, /HORIZON, $
      TITLE = 'Polar Lambert',limit=[50,-180,90.,180],$
      label=3
```

 plot,[0,30],[0,30],position='[0.1,0.2,0.1,0.2]',/noerase,/no data

 I get an error: No coordinate system established.

 Any ideas on how to get around that... .

 Thanks
Axel

Subject: Re: Overlaying multiple plots on top of map
Posted by David Fanning on Mon, 07 Nov 2011 20:41:02 GMT
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Axel writes:

> Thanks for your reply. I played around with that before. When I issue
> a map_set command followed by a plot command with /noerase and
> position:
>
> MAP_SET, /LAMBERT, 90, 0, -55, /ISOTROPIC, $
>   /GRID, LATDEL=10, LONDEL=10, $
>   /CONTINENTS, E_CONTINENTS={FILL:1}, /HORIZON, $
>   TITLE = 'Polar Lambert',limit=[50,-180,90.,180],$
>   label=3
>
>   plot,[0,30],[0,30],position='[0.1,0.2,0.1,0.2]',/noerase,/no data
>
> I get an error: No coordinate system established.
>
> Any ideas on how to get around that... .

I would say put values in your POSITION keyword
that don't result in a axis of zero length! ;-)

Cheers,

David

P.S. I can't really tell what you are trying to do here,

but I think I would have the POSITION keyword on the
MAP_SET command, too, if you are trying to establish a coordinate
system that is coincident with the map projection.

   position=[0.1, 0.1, 0.9, 0.9]

would be a better choice than what you have. :-)

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Subject: Re: Overlaying multiple plots on top of map
Posted by Axel[1] on Mon, 07 Nov 2011 23:12:15 GMT
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David,
Thanks... works just fine with the position keyword with proper
parameters. The error message " no coordinate system established "
threw me off, I guess.. Should've caught this though.

Axel
On Nov 7, 12:41 pm, David Fanning <n...@dfanning.com> wrote:
> Axel writes:
>> Thanks for your reply. I played around with that before. When I issue
>> a map_set command followed by a plot command with /noerase and
>> position:
>
>> MAP_SET, /LAMBERT, 90, 0, -55, /ISOTROPIC, $
>>   /GRID, LATDEL=10, LONDEL=10, $
>>   /CONTINENTS, E_CONTINENTS={FILL:1}, /HORIZON, $
>>   TITLE = 'Polar Lambert',limit=[50,-180,90.,180],$
>>   label=3
>
>>   plot,[0,30],[0,30],position='[0.1,0.2,0.1,0.2]',/noerase,/ nodata
>
>>   I get an error: No coordinate system established.
>
>>   Any ideas on how to get around that... .
>
> I would say put values in your POSITION keyword
> that don't result in a axis of zero length! ;-)

>
> Cheers,
>
> David
>
> P.S. I can't really tell what you are trying to do here,
> but I think I would have the POSITION keyword on the
> MAP_SET command, too, if you are trying to establish a coordinate
> system that is coincident with the map projection.
>
>   position=[0.1, 0.1, 0.9, 0.9]
>
> would be a better choice than what you have. :-)
>
> --
> David Fanning, Ph.D.
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Subject: Re: Overlaying multiple plots on top of map
Posted by David Fanning on Mon, 07 Nov 2011 23:54:15 GMT

Axel writes:

> Thanks... works just fine with the position keyword with proper
> parameters. The error message " no coordinate system established "
> threw me off, I guess.. Should've caught this though.

Yes, this is one of those error messages you learn the
meaning of through experience. If it is any consolation,
it takes me a couple of beats to figure it out, too.
It's not automatic. :-)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
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