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Subject: how to composite a mapcoord object using geographic coordinate(no projection)

Posted by [Jie Zhou](#) on Sat, 22 Feb 2014 09:45:53 GMT

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I want to display a image using selectabledrawwidget. The image hold geographic coordinate (GTCP code 100). When I try to add map grid or outline on the display, I should set a mapcoord for the display. But as I know, the mapcoord definition does not support geographic projection. So anyone know how to process it? or is there any other object can finish the work?

THanks,  
Jie

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Subject: Re: how to composite a mapcoord object using geographic coordinate(no projection)

Posted by [David Fanning](#) on Sat, 22 Feb 2014 13:24:48 GMT

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Jie Zhou writes:

> I want to display a image using selectabledrawwidget. The image hold geographic coordinate (GTCP code 100). When I try to add map grid or outline on the display, I should set a mapcoord for the display. But as I know, the mapcoord definition does not support geographic projection. So anyone know how to process it? or is there any other object can finish the work?

I added the Geographic "projection" to the MapCoord object for you this morning. You can find it here:

[http://www.idlcoyote.com/programs/catalyst/source/coordinate s/mapcoord\\_\\_\\_define.pro](http://www.idlcoyote.com/programs/catalyst/source/coordinate%20s/mapcoord___define.pro)

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.")

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Subject: Re: how to composite a mapcoord object using geographic coordinate(no projection)

Posted by [Jie Zhou](#) on Wed, 26 Feb 2014 12:36:22 GMT

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On Saturday, February 22, 2014 2:24:48 PM UTC+1, David Fanning wrote:

> Jie Zhou writes:

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>> I want to display a image using selectabledrawwidget. The image hold geographic coordinate (GTCP code 100). When I try to add map grid or outline on the display, I should set a mapcoord for the display. But as I know, the mapcoord definition does not support geographic projection. So anyone know how to process it? or is there any other object can finish the work?

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> [http://www.idlcoyote.com/programs/catalyst/source/coordinate\\_s/mapcoord\\_\\_](http://www.idlcoyote.com/programs/catalyst/source/coordinate_s/mapcoord__)

>

> define.pro

>

>

>

> Cheers,

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> David

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> 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.")

Hi David,

Your new released Mapcoord file which try to include the geographic projection may have some thing wrong. The line 906, a geographic projection cannot be set a center\_longitude keyword.

Subject: Re: how to composite a mapcoord object using geographic coordinate(no projection)

Posted by [David Fanning](#) on Wed, 26 Feb 2014 13:20:25 GMT

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Jie Zhou writes:

> Your new released Mapcoord file which try to include the geographic projection may have some thing wrong. The line 906, a geographic projection cannot be set a center\_longitude keyword.

What version of IDL are you using? I have no problem with this at all. I think the Geographic "projection" was a fairly recent addition. Can you send me the exact error message.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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Subject: Re: how to composite a mapcoord object using geographic coordinate(no projection)

Posted by [Jie Zhou](#) on Wed, 26 Feb 2014 13:27:59 GMT

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On Wednesday, February 26, 2014 2:20:25 PM UTC+1, David Fanning wrote:

> Jie Zhou writes:

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>> Your new released Mapcoord file which try to include the geographic projection may have some thing wrong. The line 906, a geographic projection cannot be set a center\_longitude keyword.

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> send me the exact error message.

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> Cheers,  
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> David  
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> 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.")

I use the IDL 8.0.1. The error message just said: the geographic projection does not center\_longitude keyword. It worked after I remove the keyword.

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Subject: Re: how to composite a mapcoord object using geographic coordinate(no projection)

Posted by [David Fanning](#) on Wed, 26 Feb 2014 13:34:19 GMT

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Jie Zhou writes:

> I use the IDL 8.0.1. The error message just said: the geographic projection does not center\_longitude keyword. It worked after I remove the keyword.

Well, don't know. Same code worked perfectly here. You can try it yourself another way:

```
struct = map_proj_init('geographic', center_longitude=90)
```

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.")

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