
Subject: Map_set - reg

Posted by [shambhu](#) on Thu, 16 Feb 2012 05:20:39 GMT

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Hi all,

I am having a data for lat lon 11.56,79.53. I am trying to plot them over a continents. But i am not sure whether the following plot is right. So please help me on this. The code of snippet is as follows:

```
MAP_SET, /CYLINDRICAL, 11.56, 79.53, /GRID, /CONTINENTS, $  
  TITLE = 'Plot on continents'  
  OPLOT, DATA.FIELD14, DATA.FIELD15
```

and the data which am plotting as goes follows:

field14 field15

```
3.127 198  
2.506 248.8  
2.431 228.5  
2.661 239.3  
2.722 233.7  
2.801 214.7  
3.369 208.8  
2.503 227.9  
3.08 222  
2.81 220  
2.558 242.4  
2.718 245.7  
2.948 256.6  
2.856 211.4  
3.392 194.5  
3.553 177.5  
3.609 218.3  
3.243 222.5  
2.833 204.6  
1.871 177.8  
2.318 235  
2.733 192.2  
1.968 222.9  
1.922 165.7  
2.015 303.4  
3.616 190.6  
3.3 199  
2.846 177.7  
2.975 194.8  
2.84 159.4
```

2.921 101.6
1.962 287
2.68 347.2
2.15 342
2.721 78.55
2.832 145.8
3.397 175
3.194 153.2
2.821 318.1
3.144 42.41
3.669 179.7
3.457 138.1
3.152 57.82
3.101 5.994
3.55 356.4
2.966 335.4
3.746 319.2
3.017 356.7
3.303 3.897
3.25 14.28
4.243 11.58
3.188 11.8
3.063 1.098
2.463 10.04
2.643 346.6
3.812 38.26
2.944 357.1
4.054 11.27
4.158 2.803
3.348 28.2
2.683 355.6
3.72 354.2
4.334 5.541
4.004 24.66
3.496 7.18
3.884 11.81
5.227 359.1
4.468 357.2
3.542 350.8
3.64 350.1
5.145 360
4.725 358.4
5.028 2.572
4.916 2.356
5.36 7.501
4.602 359.2
5.465 39.1
6.508 90.8

2.733 26.06
3.335 36.06
3.938 2.498
3.667 23.79
2.854 48.41
2.391 69.37
1.958 156.3
2.252 122.9
3.585 34.55
3.69 6.733
4.689 3.45
3.551 347.6
4.016 13.34
4.02 18.62
4.23 20.08
4.419 14.48
4.803 10.58
4.286 4.931
3.703 353.2
4.703 9.58
4.977 3.588
4.962 354.5
5.272 0.859
4.971 359.8
4.739 2.919
4.715 359.6

Subject: Re: Map_set - reg
Posted by [shambhu](#) on Fri, 17 Feb 2012 09:09:28 GMT
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Hi everyone,

As i mentioned in my earlier mail, i tried to plot using POLAR option.
But its not coming in proper direction and its very difficult to
analyse the value and direction. Can any one help me on this...?

```
PLOT, data.field14,data.field15, SUBTITLE='Polar Plot', psym=7,  
XSTY=4, YSTY=4, /POLAR  
AXIS, 0, 0, XAX=0  
AXIS, 0, 0, yAX=0
```

and the data which am plotting as goes follows:

```
> field14 field15  
> 3.127 198  
> 2.506 248.8
```

> 2.431 228.5
> 2.661 239.3
> 2.722 233.7
> 2.801 214.7
> 3.369 208.8
> 2.503 227.9
> 3.08 222
> 2.81 220
> 2.558 242.4
> 2.718 245.7
> 2.948 256.6
> 2.856 211.4
> 3.392 194.5
> 3.553 177.5
> 3.609 218.3
> 3.243 222.5
> 2.833 204.6
> 1.871 177.8
> 2.318 235
> 2.733 192.2
> 1.968 222.9
> 1.922 165.7
> 2.015 303.4
> 3.616 190.6
> 3.3 199
> 2.846 177.7
> 2.975 194.8
> 2.84 159.4
> 2.921 101.6
> 1.962 287
> 2.68 347.2
> 2.15 342
> 2.721 78.55
> 2.832 145.8
> 3.397 175
> 3.194 153.2
> 2.821 318.1
> 3.144 42.41
> 3.669 179.7
> 3.457 138.1
> 3.152 57.82
> 3.101 5.994
> 3.55 356.4
> 2.966 335.4
> 3.746 319.2
> 3.017 356.7
> 3.303 3.897
> 3.25 14.28

> 4.243 11.58
> 3.188 11.8
> 3.063 1.098
> 2.463 10.04
> 2.643 346.6
> 3.812 38.26
> 2.944 357.1
> 4.054 11.27
> 4.158 2.803
> 3.348 28.2
> 2.683 355.6
> 3.72 354.2
> 4.334 5.541
> 4.004 24.66
> 3.496 7.18
> 3.884 11.81
> 5.227 359.1
> 4.468 357.2
> 3.542 350.8
> 3.64 350.1
> 5.145 360
> 4.725 358.4
> 5.028 2.572
> 4.916 2.356
> 5.36 7.501
> 4.602 359.2
> 5.465 39.1
> 6.508 90.8
> 2.733 26.06
> 3.335 36.06
> 3.938 2.498
> 3.667 23.79
> 2.854 48.41
> 2.391 69.37
> 1.958 156.3
> 2.252 122.9
> 3.585 34.55
> 3.69 6.733
> 4.689 3.45
> 3.551 347.6
> 4.016 13.34
> 4.02 18.62
> 4.23 20.08
> 4.419 14.48
> 4.803 10.58
> 4.286 4.931
> 3.703 353.2
> 4.703 9.58

> 4.977 3.588
> 4.962 354.5
> 5.272 0.859
> 4.971 359.8
> 4.739 2.919
> 4.715 359.6

Subject: Re: Map_set - reg
Posted by [shambhu](#) on Fri, 24 Feb 2012 10:38:04 GMT
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By using FORWARD_FUNCTION i am calling a function/procedure.

Subject: Re: Map_set - reg
Posted by [David Fanning](#) on Fri, 24 Feb 2012 13:18:53 GMT
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shambhu writes:

> Hi, am facing some error "% Attempt to call undefined procedure/
> function: 'CGSNAPSHOT'" and trying to solve this...
> Mean time i wan to call compiled files in a main file. Whenever i
> start my IDL machine and if i run my program, without compiling
> circle, the code percent25=circle(0,0,.25*dmax) shows error "% Attempt
> to call undefined procedure/function: 'circle'". So i called that in
> my main file using ".compile circleidle" and it works. But i feel its
> not the proper way to use. Is there any other way to do this...?

The first problem with cgSnapshot is because you either haven't installed the complete Coyote Library, or you haven't put the Library on your IDL path correctly. Here is an article that describes how to do so:

http://www.idlcoyote.com/code_tips/installcoyote.php

The second problem is due to the fact that you named the file incorrectly, so it can't be found automatically when it is needed. You can correct that problem by reading this article:

<http://www.idlcoyote.com/tips/namefiles.html>

You may be interested in reading about the 10 most common IDL programming errors, too:

http://www.idlcoyote.com/code_tips/mostcommon.html

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.")
