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Subject: Re: matchup of Map\_set & contour

Posted by [Liam E. Gumley](#) on Wed, 03 Sep 2003 14:20:26 GMT

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"Son" <shson@darkstar.sr.unh.edu> wrote in message  
news:62cdb6eb.0309030537.73237301@posting.google.com...

> Hello~

>

> I want to overlap contour lines on a map.

> However, I think it doesn't match exactly (I checked the gridlines)..

> especially, as it goes to the edge..

> Could someone know how to fix it?

> Here is an example...

>

> ;-----

> lon = FINDGEN(91)

> lat = FINDGEN(115)

> x = 17.0 + lon\*(1/6.0)

> y = 23.0 + lat\*(1/6.0)

>

> seed=1L

> temp = sin(x)^2 \* cos(x)

> z = DIST(91,115)

>

> LOADCT, 39

>

> WINDOW,1,TITLE='WORLD MAP',xsize=800,ysize=900

>

> CONTOUR, z, x, y, /Follow, position=[0.1,0.1,0.9,0.9] \$

> , NLevels=20, XStyle=1, YStyle=1, /NoErase, /FILL ;\$

> MAP\_SET, /CYLINDRICAL, LIMIT=[23.0,17.0,42.0,32.0], /CONTINENTS \$

> , /HIRES, Mlinethick=1., position=[0.1,0.1,0.9,0.9] \$

> , /Noerase;, /ISOTROPIC

> MAP\_CONTINENTS, /HIRES,color=255, /FILL\_CONTINENTS, /CYLINDRICAL ;  
/mercator

> MAP\_CONTINENTS, /COAST, color=0, /HIRES, /CYLINDRICAL ; /mercator

> MAP\_GRID, charsize=1.25, color=100, /latdel=2, /lonel=2 \$

> , /BOX\_axes, GLineStyle=2

> ;-----

Try calling MAP\_SET before CONTOUR.

Cheers,

Liam.

Practical IDL Programming

<http://www.gumley.com/>

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