Subject: Overlaying multiple plots on top of map
Posted by Axel[1] on Fri, 04 Nov 2011 22:26:43 GMT

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Hi,
I am trying to figure out how to overlay multiple plots on top of a
map. To be specific, I would like to display a wind rose in a number
of locations. To do this, it seems like I have to first establish the
map projection and then create separate plots at various locations of
the map. Using plot,/noerase lets me overplot onto of the map, but I
can't figure out how to control the position. I've thought about just
generating the wind roses separately and then inserting them as
bitmaps into an image of the map, but that seems a bit clumsy.

An example for what I'm looking to do is here: http://www.ipcc.ch/graphics/syr/fig2-5.jpg

Any suggestions

Thanks
Axel

Subject: RE: Overlaying multiple plots on top of map
Posted by Krishnapriya M on Sat, 01 Feb 2014 02:27:47 GMT

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Hi,
   I want to plot a number of data sets as depth in y-axis and time in X-axis. In which unavailable
data should be shown like putting a gap or giving a colour in that portion only.... I just plot it many
times but there is a problem with time axis. It comes as time steps only. but   I want month and
year.... Can u help me to resolve this problem....

Regards,
krishnapriya

Subject: RE: Overlaying multiple plots on top of map
Posted by David Fanning on Sat, 01 Feb 2014 12:59:33 GMT

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mkrishnapriya11 writes:

>   I want to plot a number of data sets as depth in y-axis and time in X-axis. In which unavailable
data should be shown like putting a gap or giving a colour in that portion only.... I just plot it many
times but there is a problem with time axis. It comes as time steps only. but   I want month and
year.... Can u help me to resolve this problem....

Putting a gap in a plot should be done automatically by the plot command
if the missing data is represented by NaNs. Coloring the gap is
possible, maybe, by using the techniques illustrated in the Coyote Plot
Gallery for multi-colored lines:

  http://www.idlcoyote.com/gallery/index.html#COLORED_LINE_PLO T

I would investigate the LABEL_DATE command to see how to label your time
axis with the month and year.

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.")

Subject: Re: Overlaying multiple plots on top of map
Posted by Phillip Bitzer on Sat, 01 Feb 2014 23:22:46 GMT
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On Saturday, February 1, 2014 6:59:33 AM UTC-6, David Fanning wrote:
> mkrishnapriya11 writes:
>
>
>
>>   I want to plot a number of data sets as depth in y-axis and time in X-axis. In which
unavailable data should be shown like putting a gap or giving a colour in that portion only.... I just
plot it many times but there is a problem with time axis. It comes as time steps only. but   I want
month and year.... Can u help me to resolve this problem....
>
>
>
> Putting a gap in a plot should be done automatically by the plot command
>
> if the missing data is represented by NaNs.

If you need to put NaNs in the data, you might want to check out Craig's GAPNAN procedure:

http://cow.physics.wisc.edu/~craigm/idl/down/gapnan.pro