Subject: Re: Make the plots invisible
Posted by David Fanning on Thu, 15 Nov 2012 13:44:54 GMT
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Alain writes:

> Ten minutes with your example gave me the following:

Ah. I would have thought the word "duplicate" came
from the French, but apparently not. ;-)

OK, I have completely given up on getting an exact
duplication of the plot I want, but it has to be
considerably closer than this example!

Robert Vincent and I spent another couple of hours
working on this together last night. Although Robert
had decided to give up on function graphics by the end
of the night, I'm dumb enough to keep plodding onward.

Anyway, together we came up with something that was
showing some promise. Here is a comparison between
the plot we are trying to duplicate on the left,
and the plot we have come up with on the right:

   http://www.idlcoyote.com/misc/fg_map_side_by_side.png

It took nearly forever to figure out the color bar,
but we finally got it.

There are obvious problems. The FG contour plot is
still VERY small in the window. We haven't been able
to figure out how to make it bigger. It seems to
ignore the POSITION keyword we are passing to it.
The box axes are a total joke. You can only label
them on two sides, and even then, you can't label
them as normal box axes.

But, still, it was looking pretty good. At least
it was until I took a close look at the lines that
we overplot onto the filled contours. You have to
blow up the plot to see this really well, so here
is a blow up of the FG contour plot:

   http://www.idlcoyote.com/misc/fg_map_blowup.png

You will notice that the overplotted lines don't
line up AT ALL with the filled contours!!!!

This, despite the fact that the two contour commands we use to create the filled and outline contours are IDENTICAL as far as we can tell!

Here is the code we are currently using:

http://www.idlcoyote.com/misc/fg_map_contour.pro

We welcome any and all to tell us what we are doing wrong.

Cheers,

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