Subject: Re: Trouble with IDL 5.0.2 (sunos sparc) map_set and contour
Posted by Jean Newman on Fri, 23 Jan 1998 08:00:00 GMT
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On Thu, 22 Jan 1998, David Fanning wrote:

> Jean Newman (jcn@u.washington.edu) writes:
>
>> I have some IDL routines which under IDL 4* would plot a map and then
>> place filled contours of bathymetry on the map. Under IDL 5.0.2 it shifts
>> all the fill colors up 1, the color is on the up side rather than on the
>> downside of the contour line. The weird part is if I comment out the
>> map_set command and use plot instead, with everything else the same, then
>> it works just as it did before/correctly. Could anyone tell me what's
>> going on?
>
> One might argue (as I am sure RSI would) that it actually
> worked *incorrectly* before and it works correctly now.
> But, no, I can't tell you what is going on. It would
> be helpful if RSI could provide a bit more explanation about
> these kinds of changes.
>
 Ok, so CONTOUR works a little different now. I set up a simple
array and using PLOT & CONTOUR I figured out what I needed to do to get
my filled contours to look the same, which involved adding an extra
contour level equal to my bottom value. But when I made the changes to
my mapping routine it still shifted the colors up 1, the color for -500
was used for -250 etc. So I changed the MAP_SET to PLOT just to see if it
made a difference and it did, the contouring did just what I expected
with no color shifting. Then I went back to my simple set and changed
PLOT to MAP_SET and nothing changed, no color shifting. So why, with a
more complicated data set, does it work differently depending on which
command, MAP_SET or PLOT, is used with CONTOUR?

> I do notice that most of the people who are experiencing
> map problems now are using (or moving from) IDL 4. Is there
> a general feeling among the people who use map projections
> that they are better in IDL 5?
>
  The one map thing that I found works in 5 that didn't work correctly
in 4 is map_continents,/fill. Jean

> Cheers,
>
> David
>
> --
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