
Subject: Contour (polar stereo?) problems
Posted by [wmc](#) on Wed, 20 Aug 1997 07:00:00 GMT
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Dear all,

well we're having a heatwave here so maybe my brain is melting. However, I have the following problem with IDL 5.0.

Consider the commands below:

```
; Set up PS map of Antarctica
map_set,/ster,-90,/iso,lim=[-90,-180,-45,180],/cont
; Make up some data, not quite symmetrical or IDL 4 gets confused.
b=fltarr(4,10)
for i=0,9 do b(*,i)=i+indgen(4)*.1
; Contour with y-direction of data reversed, and y reversed
contour,reverse(b,2),indgen(4)*45+45,reverse(-86+indgen(10)* 4),lev=indgen(6)+.5, $
  c_col=[1,2,150,30,130,50],/fil,/ov
; Contour normally
contour,b,indgen(4)*45+180+45,-86+indgen(10)*4,lev=indgen(5) +.5, $
  c_col=[1,2,150,30,130,50],/fil,/ov
```

These ought to contour up the eastern and western hemispheres, essentially identically. But they don't!

The form with reverse in it contours incorrectly. This didn't happen under 4.0
Whats going on?

- William
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