
Subject: contour and latitude circles

Posted by [D'Andrea Fabio](#) on Tue, 23 Feb 1999 08:00:00 GMT

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Hi everybody, have you ever come across the following problem with IDL?

I trace contours lines (pressure fields) over the globe in polar stereographic projection. Everything is fine except when the contour lines happen to be exactly coincident with the latitude circles (i.e. circles when seen in polar stereographic projection). In this case the contour lines simply miss. This happens only when the keyword `c_label` is used (or other keywords that impose the 'contour following' algorithm. When no labels are used, everything is fine.

EXAMPLE:

```
map_set,90,limit=[20,-180,90,180],/stereo,/noerase,/isot,/whole_map
map_continents,color=0
```

```
map_set,90,limit=[20,-180,80,180],/stereo,title=tit(j-1),/noerase $
    ,/ISOT,/whole_map
map_grid,latdel=20,londel=45,glinestyle=0,color=0
```

```
map_set,90,limit=[20,-180,90,180],/stereo,/noerase,/isot
contour,field,lon,lat,/overplot, levels=lev, $
    c_linestyle=5*(LEV Lt 0.0),c_thick=thi,c_labels=lab
```

Now, I need the lines AND the labels. What can I do?
Thanks in advance

fabio

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