Subject: Islands disappear with cgmap_GSHHS and GSHHS 2.3.0
Posted by Sverre Solberg on Mon, 27 Oct 2014 16:19:22 GMT

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Hi,
perhaps I have missed some basic info in some of the gshhs discussion, but I have a problem that islands seem to disappear when using cgmap_gshhs (newest library release of data and procedures). This is a code example. There should be lots of small islands here. Am I doing something wrong?

```
  datafile = 'gshhg-bin-2.3.0/gshhs_h.b'
 P0lat  = 60
 P0lon  = 10
 minlat = 58.5
 maxlat = 59.5
 minlon =  5
 maxlon =  6.5

 cgDisplay, 800, 1200
 pos = [0.1,0.1, 0.9, 0.8]
 cgMap_Set, P0lat, P0lon, Position=pos, /transverse_mercator,Color='black',$
       limit = [minlat, minlon, maxlat, maxlon]

 cgColorfill, [pos[0], pos[0], pos[2], pos[2], pos[0]], $
         [pos[1], pos[3], pos[3], pos[1], pos[1]], $
         /Normal, Color='sky blue'
 cgMap_GSHHS, datafile, Fill=1, Level=4, Color='black', /Outline
 map_grid,/label

 cgPlotS, [pos[0], pos[0], pos[2], pos[2], pos[0]], $
      [pos[1], pos[3], pos[3], pos[1], pos[1]], $
      /Normal, Color='black', Thick=2
```

Subject: Re: Islands disappear with cgmap_GSHHS and GSHHS 2.3.0
Posted by David Fanning on Mon, 27 Oct 2014 16:37:13 GMT

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Sverre Solberg writes:

> perhaps I have missed some basic info in some of the gshhs discussion, but I have a problem that islands seem to disappear when using cgmap_gshhs (newest library release of data and procedures). This is a code example. There should be lots of small islands here. Am I doing something wrong?

This seems to be a problem in calculating the area of the polygon (always turning out to be 0). I have to do something else right now, but I'll get back to this when I can.

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: Islands disappear with cgmap_GSHHS and GSHHS 2.3.0
Posted by David Fanning on Mon, 27 Oct 2014 19:08:20 GMT
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Sverre Solberg writes:

> perhaps I have missed some basic info in some of the gshhs discussion, but I have a problem
that islands seem to disappear when using cgmap_gshhs (newest library release of data and
procedures). This is a code example. There should be lots of small islands here. Am I doing
something wrong?

OK, I haven't tried this with gsshg 2.3, but it seems to work with gsshg
2.2.3 and 2.3.2. The only change I made to your code was to add a
MINAREA=0 keyword to the cgMap_GSHHS call.

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: Islands disappear with cgmap_GSHHS and GSHHS 2.3.0
Posted by Sverre Solberg on Tue, 28 Oct 2014 08:38:38 GMT
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Great, thanks. The MINAREA = 0 fixed it. I used an older version of your lib previously and then it
worked without the MINAREA setting.