
Subject: map_continents,/hires problem in IDL 5.0.3

Posted by [f055](#) on Wed, 10 Dec 1997 08:00:00 GMT

[View Forum Message](#) <> [Reply to Message](#)

I have just installed IDL 5.0.3 on our Digital Alpha (Dig. UNIX 4.0) having previously had IDL 5.0.2. I got it via ftp, and since the high resolution coastlines only come on CD I had to copy my 5.0.2 hires coastline files to my 5.0.3 directory.

When using the hires coastlines, however, 5.0.3 doesn't work properly. Depending upon what region is being used, various bits are missing. Try the following:

```
window,ysize=850
!p.multi=[0,1,2,0,0]
;
; Global works fine
;
map_set,/advance
map_continents
map_set,/advance
map_continents,/hires
;
; Regional works fine
;
map_set,/advance,limit=[0,-90,90,90]
map_continents
map_set,/advance,limit=[0,-90,90,90]
map_continents,/hires
;
; Where is Greenland, Iceland and Svalbard in the hi-res version?
;
map_set,/advance,limit=[30,-50,80,50]
map_continents
map_set,/advance,limit=[30,-50,80,50]
map_continents,/hires
;
; Where is Britain?
;
map_set,/advance,limit=[45,-15,65,15]
map_continents
map_set,/advance,limit=[45,-15,65,15]
map_continents,/hires
```

If I try map_continents,/hires,/coasts then I get Britain, but also many lakes that I do not want.

I don't think that this problem is related to my using 5.0.2 coastlines with

5.0.3 since the release notes do not indicate a change in the files. But, map_continents.pro has been changed slightly. Try

```
UNIX> diff $IDL_DIR/lib/map_continents.pro $IDL5.0.2_DIR/lib
```

and you get

```
1c1
< ; $Id: map_continents.pro,v 1.20 1997/10/01 16:38:40 dave Exp $
---
> ; $Id: map_continents.pro,v 1.19 1997/03/26 00:15:35 dave Exp $
177c177
<      ((ndx.lonmin lt lonmax) and (ndx.lonmax gt lonmin)), count)
---
>      ((ndx.lonmin lt lonmax) OR (ndx.lonmax gt lonmin)), count)
180c180
<      subs = where((ndx.lonmin lt lonmax) and (ndx.lonmax gt lonmin), count)
---
>      subs = where((ndx.lonmin lt lonmax) OR (ndx.lonmax gt lonmin), count)
186c186
<
---
>
```

Two ORs have been changed to ANDs. If I try IDL 5.0.3 but compile the old map_continents

```
IDL> .run <path of IDL5.0.2>/lib/map_continents.pro
```

then the above examples work fine.

Has anyone else encountered problems like this. Can I just stick with the old map_continents.pro, or have the ORs been changed to ANDs for a reason?

Tim

```
..... Dr Tim Osborn . t.osborn@uea.ac.uk
.... ____/.. __/.. /.. /.. Senior Research Associate . phone:01603 592089
... /..... /.. /.. /.. Climatic Research Unit . fax: 01603 507784
.. /..... __/.. /.. /.. School of Environmental Sciences.
./..... ^ ... /.. /.... University of East Anglia .
____/.. /.. \.. ____/..... Norwich NR4 7TJ .
..... UK .
```
