
Subject: itools vertical colorbar bug

Posted by sdettrick@gmail.com on Wed, 27 Feb 2008 20:54:54 GMT

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Hi,

I just found a bug in iTools, and I was wondering if anybody has found a workaround for it. From the bug report I just sent to ITT:

There is an iTools bug associated with vertical colorbars (not horizontal ones).

The bug occurs in versions 7.0 and 6.3, but does not occur in version 6.0. I have only tested it on linux. The bug looks like it might be in `idlitviscolorbar__define.pro` in the method `IDLitVisColorbar::OnDataChangeUpdate` in the 'VISUALIZATION DATA' case.

You can recreate the bug exactly as follows:

1) Create an iimage:

```
ilimage, dist(200),/insert_colorbar
```

2) Choose the colorbar to be Vertical, via the ilimage gui.

3) Change the data programatically:

```
id = iTGetCurrent(Tool=oTool)
dm=oTool->getbyidentifier('/data manager')
oData=dm->GetByIdentifier('/DATA MANAGER/IMAGE PARAMETERS/IMAGEPIXELS/
GRAY')
success=oData->SetData(dist(200))
```

When the colorbar is HORIZONTAL, there is no problem with the above.

When the colorbar is VERTICAL, the colortable splits into two sections vertically when `SetData` is called, i.e. the color range is duplicated twice inside the rectangle of the colorbar. This error seems to occur for any choice of new data, even if it is the same as the old data.

This unfortunately makes it impossible to use vertical color bars in iTools, at least with `ilimage`.

Is there an update for this? If there is then I would very much like to hear about it.

Thank you,
Sean
