
Subject: CONTOUR: Data coordinate system not established error

Posted by [victoria.hartwick](#) on Tue, 15 Jul 2014 03:09:38 GMT

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Hello,

I am trying to plot a temperature contour vs log pressure and latitude. I can successfully produce a plot with a log y axis or with a linear reversed y axis (high pressure at the bottom). However when I try to use both keywords I get the above error. Below is a copy of the code in question:

```
contour, zt(*,*,itime), lat,zp(*,*,itime), color=0, background=255, $
    Xtitle='Latitude', Ytitle='Pressure [Pa]', $
    Title = 'Zonally Averaged Surface Temperature at Ls='+string(ls_year(itime)), $
    thick = 6, Xrange = [-90,90],yrange=[1000,0],/ylog,/fill, $
    Levels=level, C_Color=col1
```

The following two versions do work -

```
contour, zt(*,*,itime), lat,zp(*,*,itime), color=0, background=255, $
    Xtitle='Latitude', Ytitle='Pressure [Pa]', $
    Title = 'Zonally Averaged Surface Temperature at Ls='+string(ls_year(itime)), $
    thick = 6, Xrange = [-90,90],yrange=[1000,0],/fill, $
    Levels=level, C_Color=col1
```

```
contour, zt(*,*,itime), lat,zp(*,*,itime), color=0, background=255, $
    Xtitle='Latitude', Ytitle='Pressure [Pa]', $
    Title = 'Zonally Averaged Surface Temperature at Ls='+string(ls_year(itime)), $
    thick = 6, Xrange = [-90,90],/ylog,/fill, $
    Levels=level, C_Color=col1
```

Any ideas what might be going wrong?
