
Subject: IDLgrAxis: how to manipulate tickvalues? and to prevent strange stretching?

Posted by [Harald von der Osten-\[1\]](#) on Sun, 05 May 2002 16:26:43 GMT

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

Hallo,

how can I manipulate tickvalues in IDLgrAxis-objects?

What I would like to have is (I have mainly used code by David):

----start-----

```
; axes
```

```
xAxis = obj_new("IDLgrAxis",0, Color=[0,0,0], Ticklen=-0.04, Thick=2.0,  
$
```

```
    Minor=1, Title=xtitleObj,  
    Range=xrange,/exact,tickvalues=[-60,-40,-20,-0,20,40,60])  
xAxis -> GetProperty, Ticktext=xAxisText  
xAxisText -> SetProperty, Font=helvetica8pt, Recompute_Dimensions=2
```

```
yAxis = obj_new("IDLgrAxis",1, Color=[0,0,0], Ticklen=-0.05, Thick=2.0,  
$
```

```
    Minor=1, Title=ytitledObj,  
    Range=yrange,/exact,textpos=0,tickvalues=[-40,-20,0,20,40])  
yAxis-> GetProperty, Ticktext=yAxisText  
yAxisText -> SetProperty, Font=helvetica2pt, Recompute_Dimensions=2
```

```
zAxis = obj_new("IDLgrAxis",2, Color=[0,0,0], Ticklen=-0.03, Thick=2.0,  
$
```

```
    Minor=1, Title=ztitledObj,  
    Range=zrange,/exact,tickvalues=[445,455,465])  
zAxis-> GetProperty, Ticktext=zAxisText  
zAxisText -> SetProperty, Font=helvetica8pt, Recompute_Dimensions=2
```

----end-----

the 3-D data are in the range [8000 <= x <= 20000, 6000 <= y <= 14000]
but I would like to have them converted (see tickvalues as mentioned
above). Or have I to convert all the data before reading them into IDL?
(I don't want to do this)

Second question: How can I prevent the strange stretching of the labels
and tickvalues of the y-axis? I have changes the size of the font to 2pt,
and now the labels are similar to the labels of the x-Axis using 8pt.

But it is not satisfying....

Again thanks a lot for any help,

Harald

--

Harald von der Osten-Woldenburg
Geophysical Prospection of Archaeological Sites
National Heritage Department of Baden-Wuerttemberg
Silberburgstrasse 193, D-70178 Stuttgart
Fax Office: +49-(0)711-1694-707
<http://www.lb.netic.de/hvdosten> : Geomagnetism, Geoelectrics, Radar, EMI
