
Subject: Re: IDLgrAxis set TICKVALUES in specific positions
Posted by [David Fanning](#) on Thu, 17 Jul 2008 16:59:40 GMT
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bernat writes:

```
> I tried it with no results. EXAMPLE:  
>  
> values=['0','30','50','70']  
> values_pos=['50','55','76','256']  
> text_arr=objarr(n_elements(values))  
> for i=0, n_elements(values)-1 do begin  
>   itext=OBJ_NEW('IDLgrText', values[i], FONT=self.font, $  
>     RECOMPUTE_DIMENSIONS=2, /ENABLE_FORMATTING)  
>   text_arr[i]=itext  
> endfor  
>  
> ;-- then the axis  
>  
> axis=OBJ_NEW('IDLgrAxis', 1, TEXTPOS=1, TICKDIR=0, $  
>   TICKTEXT=text_arr, /EXACT, MAJOR=N_ELEMENTS(values), MINOR=0,  
>   TICKLEN=3)  
>  
> axis->GetProperty, TICKTEXT=ticktext, YCOORD_CONV=ys  
> for i=0, n_elements(ticktext)-1 do begin  
>   location=[ys[0], (values_pos[i]/256.)*ys[1]]  
>   ticktext[i]->SetProperty, LOCATION=location  
> endfor  
>  
> xobjview, axis
```

The thing about object graphics that makes it so much fun to work with, is that there are thousands of ways to do something incorrectly and one one way (usually) to do it right. And the best part is: YOU GET NO FEEDBACK!!! :-)

Try this:

```
values=['0','30','50','70']  
values_pos=['50','55','76','256']  
text_arr=objarr(n_elements(values))  
for l=0, n_elements(values)-1 do begin  
  itext=OBJ_NEW('IDLgrText', values_pos[l], $  
    RECOMPUTE_DIMENSIONS=2, /ENABLE_FORMATTING)  
  text_arr[l]=itext  
endfor  
  
;-- then the axis
```

```
axis=OBJ_NEW('IDLgrAxis', 1, TEXTPOS=1, TICKDIR=0, $  
TICKTEXT=text_arr, /EXACT, MAJOR=N_ELEMENTS(values), MINOR=0,$  
TICKLEN=3, TICKVALUES=values_pos/256.)
```

```
axis->GetProperty, TICKTEXT=ticktext, YCOORD_CONV=ys  
for I=0, n_elements(ticktext)-1 do begin  
    location=[ys[0], (values_pos[I]/256.)*ys[1]]  
    ticktext[I]->SetProperty, LOCATION=location  
endfor
```

```
xobjview, axis
```

```
END
```

```
--
```

David Fanning, Ph.D.
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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
