

Posted by [badjelly.witch](#) on Sun, 25 Nov 2007 22:48:59 GMT

```
On Nov 17, 9:07 am, natha <bernat.puigdomen...@gmail.com> wrote:  
> My question is really simple but I don't know how to put non constant  
> values in IDLgrAxis...  
>  
> I want to put in the IDLgrAxis non constant values like:  
> [0, 10, 20, 30, 40, 41, 42, 43, 44, 45, 50, 60, 70] but conserving the  
> distance between the values  
>  
>  
>  
> _____  
> 0   10  20  30  40  41  42  43  44  45  50  60  70
```

The best way, I think, is to plot against an underlying variable that *is* equi-spaced. So, in the above example, let's call the variable you want to show in the axis object `x` and the equi-spaced variable `xx`, and you want

`x = 0 <-> xx = 0`, `x = 10 <-> xx = 10`, etc, up to `x = 70 <-> xx = 12`.

For each, data point, you need to calculate `xx`. That's up, to you, but I assume you have a piecewise linear relationship, which shouldn't be too hard to code.

```
oax->SetProperty, TICKVALUES=indgen(13), MINOR=0
```

```
oax->GetProperty, TICKTEXT=otext
otext->SetProperty, STRINGS=['0','10',..., '70']
```

Better, though, to use the `TICKFORMAT` property and supply a function that will produce the right label, given the respective values of `xx`. The manual explains how to do this.

Cheers...