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Subject: Plot curved line on a globe projection

Posted by [Sir Loin Steak](#) on Sun, 28 Jul 2013 18:19:21 GMT

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Hi all,

I want to plot some straight line sections on a gridded globe plot (i.e. a line joining two points with different lat/lon coordinates), but want these lines to follow the curve of the globe.

I did a test (which I thought would work!) using the following code, but it just plots a straight line:

```
;Coordinates etc
```

```
latcentre = 30
```

```
loncentre = 0
```

```
angle = 0
```

```
;Plot globe
```

```
set_plot, 'ps'
```

```
!p.font=0
```

```
device, /encap, xsize=6, ysize=6, /inches
```

```
loadct, 0
```

```
map_set, latcentre, loncentre, angle, $
```

```
    /orthographic, /isotropic, /grid, /horizon, /noborder
```

```
map_grid, latdel=5, lonel=5, glinestyle=0, glinethick=0.5, color=cgcolor('black')
```

```
oplot, [10,30], [30,50], color=cgcolor('black')
```

```
device, /close
```

Can anyone offer any help? Is there anything simple I'm missing? I've searched online, but only seem to be able to find posts related to contouring on globe plots.

Many thanks,

Liam

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