## Subject: plot positional degrees
Posted by Beau Bellamy on Fri, 12 Dec 2014 05:49:38 GMT
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I'm using IDL 8.2
I have a list of positions (RA and Dec) of stars and i want to plot them on a figure, eg.

37.9 ~ 37 54' 0"

37.7 ~ 37 42' 0"

I read in the positions (degrees) in as strings and extract the degrees, minutes and seconds into separate arrays. These are then used to convert the values to decimal degrees for plotting.

I would like to also have the alternate axis labelled with degrees. i.e.

37.9 ~ 37 54' 0"

37.6 ~ 37 42' 0"

Is there a way to do this other than using something like power point to do it?

Also is there a better way, than having the axis scaled the same, to force the plot to be a square plot using the plot procedure?

## Subject: Re: plot positional degrees
Posted by andeh on Fri, 12 Dec 2014 11:27:19 GMT
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How abouts using a tickformat function.

```
FUNCTION POSTICKS, axis, index, value

  deg = FLOOR(value)
  min = FLOOR( (value - deg) * 60 )
  sec = FLOOR( ( (value - deg) * 60 - min)*60 )

  RETURN, STRING(deg, min,"'", sec,'"', FORMAT='(I0,1X,I02,A1,1X,I02,A1)')

END
```

```
PLOT, ra, dec, XTICKFORMAT='POSTICKS', YTICKFORMAT='POSTICKS', PSYM=1, /ISOTROPIC
```

I think the isotropic keyword should help with the square issue.


Andy


On Friday, 12 December 2014 05:49:41 UTC, Beau Bellamy  wrote:
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