
Subject: Problem with tick marks

Posted by [Sir Loin Steak](#) on Sun, 18 Aug 2013 12:50:14 GMT

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Hi all,

This is probably easy to solve, but is confusing me! I am plotting atmospheric data in pressure coordinates, and all I want is

1. The pressure axis to go from 500 to 10 in a log scale
2. The pressures 500,100,10 to be labelled
3. Minor tickmarks as in a standard log plot, e.g. at 400,300,200,90,80,...20

However I seem to be having trouble getting this.

If I plot the y axis from 1000 to 10, then all is fine:

```
contour, fltarr(2,2), [0,1], [1000,10], /nodata, $
      yrange=[1000,10], ystyle=1, /ylog
```

However, if I specify the yrange as [500,10] then the minor tickmarks are ok, but IDL only labels the levels 100 and 10:

```
contour, fltarr(2,2), [0,1], [1000,10], /nodata, $
      yrange=[500,10], ystyle=1, /ylog
```

If I specify I want the pressures 500,100,10 labelled, then IDL does this, but removes the minor tickmarks:

```
contour, fltarr(2,2), [0,1], [1000,10], /nodata, $
      yrange=[500,10], ystyle=1, /ylog, $
      yticks=2, ytickv=[500,100,10]
```

I can't specify the yminor value, as it is different going from 500-100 compared to 100-10.

Is there something obvious I'm missing?

Thanks in advance!

Subject: Re: Problem with tick marks

Posted by [David Fanning](#) on Sun, 18 Aug 2013 13:39:56 GMT

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ljs15@fsmail.net writes:

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I think you might want to read this article:

http://www.idlcoyote.com/graphics_tips/minorlog.html

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: Problem with tick marks

Posted by [Sir Loin Steak](#) on Sun, 18 Aug 2013 14:27:36 GMT

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On Sunday, 18 August 2013 14:39:56 UTC+1, David Fanning wrote:

> ljs15@fsmail.net writes:

>

>

>

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> Cheers,
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> David
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> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Thanks David, that's a great help.

It would still be nice if it would plot the minor axis labels rather than just naming those with values 1,2,5,10 etc.

Maybe I'll have a fiddle around and see what I can come up with. :)
