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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!

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