
Subject: HELP !!!

Posted by [Martin Schultz](#) on Wed, 03 Dec 1997 08:00:00 GMT

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Hi,

after spending more than 1 hour on this, I finally decided that this should definitively get improved in a future release of IDL (I guess I should put together some kind of a wishlist for the people at RSI):

problem is, I want to produce a plot with two x-axis, one on the bottom (easy of course :-) and one on the top. The little code piece I attached works fine *except* the title of the top axis is too low and interferes with the axis labels. I tried several things:

- append a sequence of !C's at the end of xtitle ==> no effect at all
- add another axis statement shifted somewhat higher and suppress the axis itself using xstyle=4 and xticks=1 ==> title comes out fine now, but the axis is *not* suppressed
- use a title parameter in the call to plot ==> font is larger (hence ugly)

I browsed around the help pages for at least 1/2 hour and could not find *anything* about this issue, so i guess that's the minimum that would need improvement!

Here's the code:

```
; produce some dummy data as a demo
alt10=findgen(20)*0.6
o3=alt10*10
co=o3/2.
h2o=exp((alt10+2)/2)
co_ok=indgen(20)

!p.thick=3
!p.position = [ 0.2, 0.3, 0.8, 0.8 ]

; produce profile plot
plot,o3,alt10,/nodata,color=1,xstyle=9,xrange=[0,140], $
  ystyle=1,yrange=[0,12], $
  xtitle='O!L3!N, CO [ppb], C!L2!NH!L2!N [ppt]', $
  ytitle='altitude [km]' ;, $
  title='H!L2!NO [ppmv]!C!C'

oplot,o3,alt10,color=7,thick=4
oplot,co(co_ok),alt10(co_ok),color=2,thick=4
```

```
; overlay extra x-axis for log water vapor
axis,0.5,12,/DATA,color=1,xax=1,xstyle=1,xrange=[100,20000.] ,/xlog,$
  /SAVE,xtitle='H!L2!NO [ppmv]'

oplot,h2o,alt10,color=4,thick=4
```

; ps: aside from this, I still think that IDL is a great language !
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Dr. Martin Schultz
Department for Earth&Planetary Sciences, Harvard University
186 Pierce Hall, 29 Oxford St., Cambridge, MA-02138, USA

phone: (617)-496-8318
fax : (617)-495-4551

e-mail: mgs@io.harvard.edu
IDL-homepage: <http://www-as.harvard.edu/people/staff/mgs/idl/>
