

---

Subject: Re: contiguous stacked plots  
Posted by [sjt](#) on Mon, 09 Jan 1995 09:57:57 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Vincent E. Kargatis ([vek@spacsun.rice.edu](mailto:vek@spacsun.rice.edu)) wrote:  
: I want to make a plot of contiguous stacked plots, like so:

```
: |-----|  
: | |  
: Y1 | |  
: | |  
: |---|---|---|---|---|---|  
: | |  
: Y2 | |  
: | |  
: |---|---|---|---|---|  
: | |  
: Y3 | |  
: | |  
: |---|---|---|---|---|  
: | |  
: Y4 | |  
: | |  
: |---|---|---|---|---|  
: 0 1 2 3 4 (etc.)
```

: X label

: Any hints? I know it probably is a rather convoluted series of AXIS  
: statements, but if I can save some time...

: Thanks,  
: --  
: Vincent Kargatis -- Space Physics & |  
: Astronomy, Rice U., Houston, TX | A penny saved is ridiculous.  
: [vek@spacsun.rice.edu] |  
: [<http://spacsun.rice.edu/~vek/vek.html>] |

Your best bet for contiguous plots is to use either the position keyword or the !P.POSITION system variable. (For stacked plots with gaps the !P.REGION is more suitable). You'll also need to remember for all except the bottom plot to set the tick names to spaces.

e.g. for 4 plots:

```
plot, x, y1, position=[.1,.1,.9,.3] ; bottom plot has labels.  
plot, x, y2, position=[.1,.3,.9,.5], xtickn=replicate(' ',30), /noerase  
plot, x, y3, position=[.1,.5,.9,.7], xtickn=replicate(' ',30), /noerase
```

```
plot, x, y4, position=[.1,.7,.9,.9], xtickn=replicate(' ',30), /noerase
```

--  
+-----+-----+  
James Tappin,	School of Physics & Space Research	O\_\_
sjt@star.sr.bham.ac.uk	University of Birmingham	-- V
Ph: 021-414-6462. Fax: 021-414-3722		
+-----+-----+

---