Subject: Re: /NORM with OPLOT and other thoughts Posted by toma on Mon, 17 Aug 1992 11:17:55 GMT

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In article <16AUG199217070886@stars.gsfc.nasa.gov> landsman@stars.gsfc.nasa.gov (Wayne Landsman (301)-286-3625) writes:

>

- > I am trying to write the annotation on a plot, which explains the
- > meaning of each of the PSYM symbols I used. When writing annotation
- > I like to use normalized coordinates. But, as far as I can tell, the
- > /NORMAL (and /DEVICE) keywords are ignored by OPLOT.
- > What would be really nice would be if I could write the PSYM characters
- > with XYOUTS, so that I could write my annotation with a single line.

I think that the PLOTS procedure will do what you want. You can also use it to draw linestyles on the legend.

Example:

; If this is a line plot

; Draw linestyle on legend

: Endif else

: Draw symbol on legend

; Endelse

if jsym eq 0 then begin plots, [xoff+xl,xoff+xr], [ypt,ypt], linestyle=jlin, color=jcol endif else begin plots, xoff+xl+xseg*0.22, ypt, psym=jsym, symsiz=sym_size, color=jcol endelse

[This code uses DATA coordinates; I've never tried NORMAL.]

It would be nice if there were a system routine for drawing legends, though.

Subject: Re: /NORM with OPLOT and other thoughts Posted by snoopy on Tue, 18 Aug 1992 18:08:25 GMT View Forum Message <> Reply to Message

In article <16AUG199217070886@stars.gsfc.nasa.gov> landsman@stars.gsfc.nasa.gov (Wayne Landsman (301)-286-3625) writes:

- > with XYOUTS, so that I could write my annotation with a single line. I can
- > do this with some of the PSYM characters (e.g. the plus sign PSYM = 1)

- > IDL> xyouts, 0.5, 0.7, '(+) Model 1', /NORM
- > but, for example, the diamond (PSYM=4) cannot be written with XYOUTS.

Have you tried using the symbol character set (Font 9, Math and Special) with the xyouts procedure? I think the letter V maps to a diamond symbol in this character set. The xyouts command line could then look somethink like:

IDL> xyouts, 0.5, 0.7, '(!9V!3) Model 1', /NORM

Where the !9 shits output character set to Math and Special, and since V is mapped to a diamond, a diamond symbol is drawn. Subsequently, the !3 changes the output character set back to Simplex Roman font (which is the default). The output will appear as your example above, but the + sybol will instead be replace by a diamond.

-rv (email: ercrav@vegas1.las.epa.gov)