Subject: Re: What am I doing wrong with al_legend?
Posted by David Fanning on Tue, 13 Dec 2011 20:29:52 GMT
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David Fanning writes:

> Well, that does change things, although I can't for the
> life of me think why. :-(
>
> If you do the overplot *after* the legend, things
> work OK:
>
> cgplot, cgdemodata(1), /window, yrange=[-100,100]
> clrs=['black','red','org5','blue','grn4',$
>   'orange','violet','dodger blue']
> sym=[16,16,16,16,16,16,16,16]
> legtxt = StrTrim(Indgen(8)+1)
> AL_legend,legtxt,psym=sym,color=clrs,$
>   pos=[65,0.5],box=0,/WINDOW
> cgplot,cgdemodata(1)/2,psym=13,SYMSIZE=0.7, $
>   color='blk5',/OVERPLOT,/ADDCMD
> END
>
> I'll have to look into this. I'll get back to you.

OK. Oddly enough, this is another manifestation
of a problem I described in a new article this
morning:

   http://www.idlcoyote.com/cg_tips/wrongsym.php

In fact, I had no more than just published it when
I read your post this morning! I guess when a problem
is ready to be discovered, *everyone* discovers it at
about the same time. :-(

Anyhow, I think this is a problem with AL_LEGEND. I don't
fully understand how AL_LEGEND works (or I might offer to
take over support for the darn thing from Wayne!), but
I do notice that if modify the call to cgPlotS on lines
481-483 by changing the PSYM keyword from this "psym=p_sym"
to this "psym=psmi[i]", then things work correctly.

I think this might be the case of not fully implementing
the change to Coyote Graphics in AL_LEGEND.

Anyway, I'll discuss this with Wayne and see what, if
anything, we can do to fix it. :-)

Cheers,

David

--
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Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")