
Subject: Using SYMCAT with LEGEND

Posted by [willett](#) on Thu, 25 Oct 2007 20:37:36 GMT

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Gday all,

I have a small problem using two programs that are pretty much everyday for me when I'm plotting in IDL; David's excellent SYMCAT program and the LEGEND program in the Goddard astro library. The problem is that, when trying to put my user defined symbols in the legend, it will display the `_last_` symbol used for all of my user-defined symbols using SYMCAT.

For example, say I'm scatter plotting three data sets with a legend:

```
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```

```
x1 = findgen(10) & x2 = findgen(10)*2 & x3 = findgen(10)/2  
y1 = x1 & y2 = x2 & y3 = x3
```

```
plot, x1, y1, psym = symcat(14)  
oplot,x2, y2, psym = symcat(15)  
oplot,x3, y3, psym = symcat(16)
```

```
legend, ['Data1','Data2','Data3'],  
psym=[symcat(14),symcat(15),symcat(16)], /top, /right
```

```
::
```

When I execute this, however, LEGEND plots all three datasets as filled circles (SYMCAT(16)), when it should go [filled diamond, filled square, filled circle]. There are ways around this (making my own legend by hand, for a start), but I'd like to know if anyone has a quick solution for making these two programs work with each other. Thanks very much!

-KW