
Subject: Re: cgWindRose has error producing legend?
Posted by [David Fanning](#) on Mon, 20 Oct 2014 19:20:53 GMT
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Barry Lesht writes:

```
> observations from a NDBC buoy. I just remove the missing data and call cgWindRose:
> ;
> good = WHERE(wd NE 99.00, ngood)      ; Missing wind data have value 99.00
> cgWindRose, wspd[good], wd[good], TITLE = buoyName+STRING(year, FORMAT='(I5)')
> ;
> I do get a wind rose, but two things are strange. First, it looks like the rose isn't sized correctly
for the window - the "East" label is cut off - and second, I get a legend heading "Wind Speed
(m/s)" but no legend with the error message:
>
> Traceback Report from CGLEGENDITEM::INIT:
>
>   % CGLEGENDITEM::INIT: Number of COLORS elements not equal to the number of legend
items.
>   % Execution halted at: CGLEGENDITEM::INIT 234
/Users/blesht/IDLStuff/coyote/cglegenditem__define.pro
>   %          CGLEGEND      200 /Users/blesht/IDLStuff/coyote/cglegend.pro
>   %          CGWINDROSE    363 /Users/blesht/IDLStuff/coyote/cgwindrose.pro
>   %          LSUP_WIND_STRESS 35
/Users/blesht/IDLWorkspace82/Default/lsup_wind_stress.pro
>   %          $MAIN$
>
> I'm running IDL8.2.3 on MacOSX10.8.5 and my Coyote library is current through revision 1494.
I don't have any other graphics calls (e.g. color tables, etc.) before the call to cgWindRose.
>
> I haven't seen any other posts reporting this (or any other issues with cgWindRose), so I'm
probably doing something wrong, but I haven't figured out what it could be. Any help much
appreciated.
```

Don't know. When I tried to run the example WindowRose program in the Coyote Gallery, I had some problems. First, it was calling a retired Coyote Library routine, and then it was having problems with cgPlotS. Plus, the link in the internal documentation was wrong.

I have had a few problems with cgPlotS, since I modified it 10 October to allow a vector of symbol types. I really didn't fully appreciate the number of strange ways PlotS could be called! So, more effort to fix these problems.

I didn't see anything like the problems you report, though. :-)

I guess I would get these two new programs and see if anything anything changes for you. If not, we can go from there.

<http://www.idlcoyote.com/programs/cgwindrose.pro>
<http://www.idlcoyote.com/programs/cgplots.pro>

The windrose example code can be found here:

<http://www.idlcoyote.com/gallery/windrose.zip>

Cheers,

David

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David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thue. ("Perhaps thou speakest truth.")
