
Subject: polyfill

Posted by [psbebs](#) on Thu, 29 Sep 2005 17:01:39 GMT

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I am using polyfill to make global images of radiation data where each point is a circle filled with a color. For the highest values the points are red, and for low values the points are pink. The data is organized sequentially in the order that the satellite scanned it. Where the satellite had problems, the data is missing. The missing value is -9999 so it shows up as pink, but I want the missing dots to be gray. I don't know how to do that with polyfill since the missing points are random and polyfill draws each circle in order of the number of points. I know where the missing points are, and I have a color index set up for gray. I was going to replace "zcolors(j)" with "grayColor", but since it's a For loop, doing the points in order, it takes the total count of missing points, and makes them gray in order, instead of the random order that they are in. Any suggestions? Here is the code:

```
;** Plot data points at x,y coordinates as colored circles.  
; Subtract 6 to not use the assigned colors.  
; z is the outgoing longwave radiation
```

```
zcolors=Bytscl(z, Top=!D.Table_Size-6)  
coords=Convert_Coord(x,y, /Data, /To_Device)  
x=coords(0,*)  
y=coords(1,*)  
For j=0L, countg-1L DO Polyfill, Circle(x(j), y(j), 0.5), /Fill,  
Color=zcolors(j), /Device
```

Jill
