
Subject: black window on fsc_surface & fsc_surface_log?

Posted by [u2s5thmember](#) on Tue, 10 Aug 2004 19:48:35 GMT

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I have three arrays: x, y, z

x ranges from 180 to 250

y ranges from 1e-08 to 3e-04

z ranges from 0.002 to 1

Following the examples of some of Dave Fanning's programs I got this far:

```
;-----  
WINDOWSIZE = 250  
  
Triangulate, x, y, triangles, boundaryPts  
  
s = Size(triangles, /Dimensions)  
num_triangles = s[1]  
  
gridSpace = [0.01, 0.05]  
  
griddedData = TriGrid(x, y, z, triangles, gridSpace, $  
    XGrid=xvector, YGrid=yvector)  
  
griddedData = TriGrid(x, y, z, triangles, gridSpace, XGrid=xvector, $  
    YGrid=yvector, /Quintic, Extrapolate=boundaryPts)  
  
Window, /Free, Title='Uptake(Temp, PHNO3)', $  
    XSize=WINDOWSIZE*2, YSize=WINDOWSIZE*2, $  
    XPos=2*WINDOWSIZE*1.5 + 20, YPos=WINDOWSIZE + 30  
Surface, griddedData, xvector, yvector, /NoData, /ylog, /zlog, $  
    xcharsize=3, ycharsize=3, zcharsize=2, Color=0, $  
    xrange=[180,250], yrange=[1e-8, 1.E-2], zrange=[1e-3, 1]  
Surface, griddedData, xvector, yvector, XStyle=4, $  
    YStyle=4, ZStyle=4, /NoErase  
;-----
```

so from what I understand, the above code seems to work properly, but I can't really see the output and I can't manipulate plot etc... therefore,

I would like to view the above surface plot using fsc_surface or fsc_surface_log instead of just using "surface", but all I get is a black screen when I try either of the following commands:

fsc_surface, griddedData, xvector, yvector
fsc_surface_log, griddedData, xvector, yvector

So... in the above commands, is it correct to use the "griddedData" array as the 2d data array called by fsc_surface and fsc_surface_log??

btw, The 2D array, "griddedData" has lots of negative numbers? why is that, since none of my data are negative??? Is there a connection between black screen as output of fsc_surface and negative numbers?

I don't have any idea how to proceed on this one & unfortunately, I understand only the general idea of widgets & object programming, so any info will probably need to be pretty specific.

Thank you in advance for your suggestions!
