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Subject: Unable to get GRIDDATA Function to Work Properly

Posted by [Jon](#) on Tue, 16 Aug 2011 02:01:41 GMT

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Hello IDL'ers

I'm trying to do some interpolation with the GRIDDATA function.

I have a regular lon/lat grid spanning the globe, consisting of values that are either 0 or 1. I am trying to interpolate these values to an irregular lon/lat grid spanning much of the U.S.

Trouble is, no matter what I do, I cannot get the routine to give me a 1, where they clearly should exist. For a simple example, on my global grid, all points surrounding -115 W, 35 N are 1, but when I run (where testGrid is my global grid):

```
myGrid = GRIDDATA(Lon, Lat, testGrid, /GRID, XOUT=[-115.0],  
YOUT=[35.0])
```

I get a 0. Shouldn't this routine interpolate a value of 1 at this point?

Thanks,  
JonR

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