Subject: Re: Unable to get GRIDDATA Function to Work Properly
Posted by Jon on Wed, 17 Aug 2011 00:29:54 GMT

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On Aug 16, 10:32 am, Jeremy Bailin <astroco...@gmail.com> wrote:
> On 8/15/11 10:01 PM, Jon wrote:
>
>
>
>> 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
>
> I haven't done it, but based on the help page I'd guess that you might
> want to use /SPHERE and /DEGREE.
>
> -Jeremy.

Those seemed like reasonable suggestions, but unfortunately they did
nothing for me =(