Subject: Re: Unable to get GRIDDATA Function to Work Properly
Posted by Klemen on Wed, 17 Aug 2011 11:40:52 GMT
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>> 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 =(

Ty it again. Use a combination of TRIANGULATE and GRIDDATA - an example below (with a link to discussion about reprojection). But be aware - this might be very slow if working with large datasets. If you don't have many points to interploate it would make sense to select the area around each point and use only the closest points for interpolation. You can of course use also some other method instead of /NEAREST_NEIGHBOR.
Cheers, Klemen

TRIANGULATE, lon, lat, trg, SPHERE=sphere, /DEGREES, FVALUE=testgrid
mygrid = GRIDDATA(lon, lat, m_testgrid, /SPHERE, /DEGREES, /
NEAREST_NEIGHBOR, TRIANGLES = trg, /GRID, XOUT=[-115.0], YOUT=[35.0])

http://groups.google.com/group/comp.lang.idl-pvwave/browse_t
hread/thread/688e9587fa29ecb7/2f7820d787d6047f?hl=en&lnk =gst&q=#2f7820d787d6047f