
Subject: Regridding NCEP Data

Posted by [Chase Calkins](#) on Wed, 15 Apr 2015 18:44:33 GMT

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Hello,

I'm trying to regrid NCEP text file data from a 2.5x2.5 to a 2x2.5 so that

x = 144

y = 91 (originally 73)

I had been trying to use David Fanning's 'Gridding Map Data'

http://www.idlcoyote.com/code_tips/usegriddata.html

but it is for a Polar Stereographic and I was needing to use the Mercator

I thought changing

x0 = -12756200.0D (length in meters for the radius of earth in equatorial)

x1 = 12756200.0D

y0 = -12713600.0D (length in meters for the radius of earth in polar)

y1 = 12713600.0D

xdim = 144

ydim = 91

would work but it's not quite right. Is there a set of variables that is know for those values or is there a better way to regrid using IDL.
