Subject: North American Regional Reanalysis (NARR) projection
Posted by MarioIncandenza on Tue, 05 Jul 2011 22:07:41 GMT

Hey out there,

Anyone have experience working with the NARR weather dataset? It's
weather data on a 33km grid. We are trying to compare it with some
other data at higher resolution, and working on binning up the fine-
resolution data to match the NARR grid.

Based on the information at this page http://www.esrl.noaa.gov/psd/data/narr/format.html,
we did this to project the data:

narr_proj=map_proj_init('Lambert Conformal Conic',
STANDARD_PAR1=50,STANDARD_PAR2=50,CENTER_LONGITUDE=-107)

This gave us a grid that was regularly spaced, but not quite
rectangular, with the X values skewing about 40km from the bottom to
the top of the grid. Not gonna work for regridding data.

Has anyone succeeded in transforming the NARR data to a real
rectangular coordinate system for matching to other data?

Thanks,

--Edward H.