
Subject: North American Regional Reanalysis (NARR) projection

Posted by [MarioIncandenza](#) on Tue, 05 Jul 2011 22:07:41 GMT

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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.
