
Subject: how to initialize a projection from its specification?

Posted by [natha](#) on Wed, 17 Apr 2013 16:20:42 GMT

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Hi guys,

How can I initialize a mapping projection in IDL using the following specification?

[http://www.nco.ncep.noaa.gov/pmb/docs/on388/tableb.html#GRID 130](http://www.nco.ncep.noaa.gov/pmb/docs/on388/tableb.html#GRID_130)

I want to remap (by bilinear interpolation) one image (that is projected in the specified grid) to another projection, by using MAP_PROJ_IMAGE.

I do have the lat/lon values of the image but it seems that I cannot use MAP_PATCH if my final projection is initialized using MAP_PROJ_INIT.

Any ideas? Thank you for your help

natha

VALUE GRID DESCRIPTIONS

130 () Regional - CONUS (Lambert Conformal) - 13 km

Nx 451

Ny 337

La1 16.281N

Lo1 233.862E = 126.138W

Res. & Comp. Flag 0 0 0 0 1 0 0 0

Lov 265.000E = 95.000W

Dx 13.545087 km

Dy 13.545087 km

Projection Flag 0

Scanning Mode (bits 1 2 3) 0 1 0

Latin 1 25.000N

Latin 2 25.000N (tangent cone)

Lat/Lon values of the corners of the grid

(1,1) 16.281N, 126.138W

(1,337) 54.172N, 139.856W

(451,337) 55.481N, 57.383W

(451,1) 17.340N, 69.039W

Pole point

(I,J) (249.315, 1051.539)
