
Subject: Resolution returned from MAP_PROJ_IMAGE?
Posted by [bryan.s.hong](#) on Mon, 24 Nov 2008 17:26:51 GMT
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I'm using NLDAS (North America Land Data Assimilation System) data which has 0.125 degree resolution with 464 X 224 grid boxes, and I'm trying to project this data to the Albers map projection using the code below. The LIMIT key used in the MAP_PROJ_IMAGE indicates the total area coverage of NLDAS. Using this code, the result returns with 464 X 224 grid boxes which are the exact same size as the original data input. How can I know the spatial resolution of the result. I believe the result should have a spaptial resolution in meters, right? Is there any way to give a specific resolution when the original data are being wapred?

```
sMap = MAP_PROJ_INIT(103, SEMIMAJOR_AXIS=6378137.0,  
SEMIMINOR_AXIS=6356752.31414,$  
FALSE_EASTING=0., FALSE_NORTHING=0,  
STANDARD_PAR1=29.5,$  
STANDARD_PAR2=45.5, CENTER_LATITUDE=23.,  
CENTER_LONGITUDE=-96.)  
Result = MAP_PROJ_IMAGE(Image, [-125.,25.,-67.,53.],  
Map_structure=sMap, missing=0)
```

Thanks.
