
Subject: Re: converting map projections using ENVI
Posted by [surajchem](#) on Mon, 18 Sep 2006 15:46:11 GMT
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i had a earth data that is a IS projection with 4 km resolution which
i downloaded from the site which had this header of the file

```
*****  
ENVI  
description = {  
  File Imported into ENVI.}  
samples = 10800  
lines   = 5400  
bands   = 1  
header offset = 0  
file type = ENVI Standard  
data type = 1  
interleave = bsq  
sensor type = Unknown  
byte order = 0  
map info = {Sample IS, 5400.5000, 2700.5000, 0.0000, 0.0000,  
3.7065017090e+003, 3.7065017090e+003, , units=Meters}  
projection info = {38, 6371007.2, 0.000000, 0.0, 0.0, 86400, 1, Sample  
IS, units=Meters}  
wavelength units = Unknown  
geo points = {  
  1.0000, 2700.0000, 0.00000000, -180.00000000,  
  5400.0000, 300.0000, 80.00000000, 0.00000000,  
  10500.0000, 2700.0000, 0.00000000, 170.00000000,  
  5400.0000, 3600.0000, -30.00000000, 0.00000000}  
pixel size = {3.70650171e+003, 3.70650171e+003, units=Meters}  
*****
```

after editing the header in the ENVI with the above data i could view
the map .

then i went on to create a customized map projection which comes under
'map' in the envi tool bar.

customized lambert conformal conic projection (which shows china in
front)

with 0 E, 0 N , cental meridian: 110 E, latitude of projection origin :
0 N

and the two std parallels 25 N and 40 N.

after which i would select maps>> convert map projections>>

i would select the projection and it would make automatic changes to

the input/ output pixels size, then i would select 'rigorus' in the

'conversion parameter' and then choose nearest neighbor and then press
OK.

then it would give the error ' matrix dimension must exceed zero'

but then i tried using the inbuilt Lambert CC in ENVI still gave me the same error
but when i used Geographic Lat/Long as map projection it worked i again tired to use envi to convert from this projection into LCC , gave me the same error.

so then i tried a demo geo lat/lon world map inbuilt in ENVI and tried to use my customised LCC and the inbuilt LCC and it worked for both so now i am stuck!!!!

do u use envi?

> surajchem@hotmail.com wrote:

>> I did not write any code i just use ENVI software to do the conversion,
>> i had obtain the data from any ftp site where they mention about using
>> ENVI software to use it.

>

> Sorry - I read your message too quickly, and didn't notice that it was
> ENVI, rather than code that you wrote, which produced this message.
> Without knowing which line of code is failing, it's going to be
> difficult to figure out which array has the wrong dimensions.

>

> At the very least, could you provide an explanation of the exact steps
> you took, including the values of all relevant projection parameters
> that you set?