
Subject: converting map projections using ENVI
Posted by [surajchem](#) on Wed, 13 Sep 2006 19:57:06 GMT
[View Forum Message](#) <> [Reply to Message](#)

i have a sinusoidal map which i want to convert into lambert conformal conic projection.
i made a customize lambert conformal conic projection. but when ever i tried to convert it it would give the following error" array dimensions must exceed 0"
but when i tried to convert a world demo inbuilt in ENVI and using the customized projection it worked!!
i dont know where i am going wrong

any help would be appreciated
thanks
sunny

Subject: Re: converting map projections using ENVI
Posted by [James Kuyper](#) on Fri, 15 Sep 2006 20:54:51 GMT
[View Forum Message](#) <> [Reply to Message](#)

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?

Subject: Re: converting map projections using ENVI
Posted by [surajchem](#) on Mon, 18 Sep 2006 15:46:11 GMT
[View Forum Message](#) <> [Reply to Message](#)

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?