
Subject: Re: changing resolution from 4km to 36 km grid in ENVI

Posted by [surajchem](#) on Thu, 07 Sep 2006 20:19:21 GMT

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hi

thanks again

i was able to convert it into 36000m pixel size.

but i am not able to change its map projection

In the converts map projection parameter => i clicked on change proj, i changed from IS to lambert conformal conic projection, in output X size i changed it to 36000 from 0 and same with the Y size.

In the conversion parameter i selected the warp method (RST, triangular(i didnt change any parameters in both)and rigorous) , and then i tried with nearest neighbor and cubic convolution

after giving the output filename and after clicking Ok it gave me the error "array dimension exceeds greater than 0 , it may be invalid)

thanks for helping me out

Jean H. wrote:

> well, if you really want a 36km resolution, you should multiply by
> 9.712638661979991160365676420977 ... however it seems much simpler to
> input the final pixel size (ie 36000)

>

> In other words, both should work!

> Jean

>

> surajchem@hotmail.com wrote:

>> hey thanks

>> i had one more thing to ask

>> this header was for a 4 km file but the pixel size is 3706.51079 m so

>> if i want to convert it into 36km, should i multiply pixel size by 9 or

>> just input 36000m.

>> thanks

>> sunny

>>

>> Jean H. wrote:

>>

>>> For the resolution:

>>> Basic tools / resize data / then click on "set output dims by pixel size"...

>>> For the projection:

>>> Map / Convert map projection

>>>

>>> Jean

>>> surajchem@hotmail.com wrote:

>>>

```
>>>> hi,
>>>> i have a earth data that is a IS projection with 4 km resolution . how
>>>> can i convert projection to lambert conformal conic projection with 36
>>>> Km resolution using ENVI. actually i pretty new at this.
>>>> here is the 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, 0.000000000, -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}
>>>> *****
>>>> thanks
>>>> sunny
>>>>
>>
>>
```
