## Subject: Re: changing resolution from 4km to 36 km grid in ENVI Posted by surajchem on Fri, 08 Sep 2006 22:37:27 GMT

actually when i tried with geographic lat/long it worked and gave me

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hi again

```
the whole world map
but converting to lambert seems a big problem
do u still use ENVI for ur research?
with regards
sunny
Jean H. wrote:
> surajchem@hotmail.com wrote:
>> 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.
>
  it should not be 0.... your input must have something wrong.
  Try using your original (res = 3.7km) data, and set the output to 36 000
  Jean
>
>
>> 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 filname 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 imput 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
>>>> >> 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.
```