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 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
>>>> 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}
>>>> ***
>>>> thanks
>>>> sunny
>>>>
>>
>>
```