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

Posted by [Jean H.](#) on Thu, 07 Sep 2006 20:32:40 GMT

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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 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:

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>>>
>>>
>>>> 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
>>>> >
>>>
>>>
>

```