Subject: Re: changing resolution from 4km to 36 km grid in ENVI
Posted by surajchem on Fri, 08 Sep 2006 22:34:15 GMT
View Forum Message <> Reply to Message

hi Jean,
Sorry to bother you again, but some how the Lambert conformal conic map projection doesnt show up, and when it does is just a part of south america where as i need the china region
so according to my china map region that i need to use and created a customized lambert conformal conic projection
with 0 E, 0 N , cental meridian: 110 E, latitude of projection origin : 34 N
and the two std parallels 25 N and 40 N.

so in convert map projection box
when i clicked this projection it changed all the required inputs and output X and Y pixel accordingly . also should i select any thing in the option?
in the conversion parameter what should i choose RST, triangular or rigourous.
and the choose nearest neighbor.
still no luck it say error that dimension should be greater than zero.

now i am really confused.

thanks for helping me
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
>>> 9.7126386619799911603656764209 77 ... 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
>>>> >>
>>>>
>>>>
>>