Subject: Re: Question on MODIS Conversion Toolkit
Posted by devin.white on Wed, 28 Apr 2010 09:43:59 GMT
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The value of 0.008365 should be fine (that's close to 1km in degrees). I think you have a typo in your program that's creating a problem (out_ps_y is set to 0.08365). Try setting *both* the out_ps_x and out_ps_y variables to 0.008365. Or, if you prefer, change the output projection to a locally appropriate UTM zone and use an output pixel size of 1000.0 (meters).

On Apr 27, 8:52 pm, Harry Kim <kim4ecohy...@gmail.com> wrote:
> On Apr 28, 5:41 am, "devin.wh...@gmail.com" <devin.wh...@gmail.com>
> wrote:
>
>
>
>> I think your problem is here:
>
>>> out_ps_x = 0.008365, out_ps_y = 0.08365
>
>> The output pixel size for Y is too large (by a factor of 10). That's
>> probably leading to an output array size that is too small for the
>> georeferencing routines to handle.
>
>> On Apr 26, 7:45 am, Harry Kim <kim4ecohy...@gmail.com> wrote:
>
>>> Hi, Everyone. I am back with MODIS Converision Toolkit (MCTK)
>>> Question.
>
>>> Are there anyone working on MODIS data?
>
>>> I am working on various MODIS products for ecohydrological processes
>>> in Korean penninsula. I tried to use MODIS Conversion Toolkit in
>>> programming mode. This tool seems to be useful to process various
>>> kinds of MODIS products.
>
>>> AS some of you know this very well, we can do MCTK both in GUI mod and
>>> in batch (programming) mod. I have to process thousands of file, and I
>>> cannot do this in GUI mode.
>
>>> Everytime I tried in programming mod, I got this error message.
>
>>> "Map information contains an invaild pixel size. This file will not be
>>> georeferenced."
>
>>> Strangely, there was no problem in making images when I tried with the

>>> same value in GUI mode.
>
>>> This is what I have done so far. Please take a look, and let me know
>>> what to do.
>
>>> Hyun Woo
>
>>> ------------------------------
>>> PRO MCTK_MOD11
>>> compile_opt idl2
>>> modis_grid_file = 'D:\MODIS11\Data
>>> \MYD11A1.005\MYD11A1.A2002189.h28v05.005.2007216150809.hdf'
>>> output_location = 'D:\MODIS11\output'
>>> output_rootname = 'MYD11_LST'
>>> grid_name = 'MOD_Grid_Daily_1km_LST'
>>> sd_names = ['LST_Day_1km']
>>> out_method = 1
>>> output_projection = envi_proj_create(/geographic)
>>> ;out_ps_x = 0.008365
>>> ;out_ps_y = 0.008365
>>> interpolation_method = 6
>>> convert_modis_data, in_file=modis_grid_file, $
>>> out_path = output_location, out_root= output_rootname, $
>>> /higher_product, /grid, gd_name=grid_name, sd_names=sd_names, $
>>> out_method= out_method, out_proj=output_projection, $
>>> out_ps_x = 0.008365, out_ps_y = 0.08365, num_x_pts=50,
>>> num_y_pts=50, interp_method=interpolation_method ;, $
>>> background = -999
>>> end
>>> ---------------------------------------
>
> Thank you, Devine, then what is your suggested values?
>
> In addition, it is interesting. This value is no problem in GUI Mod.