Subject: Re: Question on MODIS Conversion Toolkit
Posted by devin.white on Tue, 27 Apr 2010 20:41:29 GMT
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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?
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> 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
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> in batch (programming) mod. I have to process thousands of file, and I
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> Everytime I tried in programming mod, I got this error message.
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> "Map information contains an invaild pixel size. This file will not be
> georeferenced."
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> Strangely, there was no problem in making images when I tried with the
> same value in GUI mode.
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> 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
> ----------

Subject: Re: Question on MODIS Conversion Toolkit
Posted by Harry Kim on Wed, 28 Apr 2010 00:52:31 GMT
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On Apr 28, 5:41 am, "devin.wh...@gmail.com" <devin.wh...@gmail.com>
wrote:
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>> num_y_pts=50, interp_method=interpolation_method ;, $
>> background = -999
>> end
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Thank you, Devine, then what is your suggested values?

In addition, it is interesting. This value is no problem in GUI Mod.

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:
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>>>        background = -999
>>>  end
>>>  ---------------------------------------
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