Subject: MODIS Conversion ToolKit is not working? Can anyone help me?
Posted by Harry Kim on Wed, 20 Jan 2016 00:29:05 GMT
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I am working on mosaicking 4 MODIS tiles, and trying to use MODIS Conversion Tool Kit.

However, I faced a problem. After I downloaded MCTK from this site,

https://github.com/dawhite/ENVIPlugins

I placed "mctk.sav" and "modis_products.scsv" files in my save_add folder. the location is:

Windows: c:\program files\exelis\envi52\classic\save_add

Now, I found "% Restored file: MCTK" when I began ENVI classic. I think my IDL-ENVI recognizes those two files. However, The color of 'convert_modis_data' is still black, not yet changed to green as shown in user's guide.

Can anyone give me any solutions?

Please take a look at the attached file, and let me know what to do.

Thank you, in advance!

Harry from Korea

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```
pro Mosaic_011916

; Path designation
input_path = 'G:\test_mosaic\'  ; add more details.

for date=0,4 do begin

;print,'Processing MODIS images of DOY',date
dir=input_path
cd,dir
 files=FILE_SEARCH('MOD11A1*'+strtrim(string(date,format='(I0 3)'),
2)+'.h*.hdf',count=num_inputfiles)
;print,numfiles

output_path = 'G:\test_mosaic\Mosaic\'
;MODIS grid file

format='MOD11A1.A2007001.h28v05.005.2008135100357.hdf'
;START IMPORTING MODIS LAYERS
```

```
    for i=0,num_inputfiles-1 do begin
    grid_file=files[i]
    output_rootname =  'Landinputs_'+strtrim((strmid(grid_file,9,7)+'_'+strmid(grid _file,17,6)),2)+'_'
    year=strmid(grid_file,9,4)
    grid_name = 'MODIS_Grid_Daily_1km_Lst'
    sd_names = ['Lst_day_1km']
    out_method = 0
    convert_modis_data,in_file=grid_file, $ ; I believe 'convert_modis_data' should
                        ; be changed into green color, but remained in black!!!
    out_path=output_path, out_root=output_rootname, $
    /higher_product, /grid, gd_name=grid_name, sd_names=sd_names, $
    out_method=out_method,background=255, fill_replace_value=255
    endfor
cd,output_path
 inputs=file_search('Landinputs*'+strtrim(string(date,format= '(I03)'), 2)+'*.img',count=inputfiles)
;fids=lindgen(inputfiles)
print,'inputfiles',inputfiles
    for i=0,inputfiles-1 do begin
      envi_open_file,inputs[i],r_fid=afile
      fids[i]=afile
    endfor
numfiles=n_elements(fids)

if numfiles eq 4 then begin
;*******START MOSAIC
;pos=[[0,1],[0,1],[0,1],[0,1]]
pos=[[0],[0],[0],[0]]
; out_ps=[[463.31271653,463.31271653]] This parameter is for 500m tiles.
out_ps = [926.6254331, 926.6254331]
use_see_through = [[1L],[1],[1],[1]]
see_through_val = [[0L],[0],[0],[0]]
bandnames=['Lst_day_1km']
;out_name=input_path+'mosaicking'+strtrim(date,2)+'.dat'
georef_mosaic_setup, fids=fids, out_ps=out_ps, dims=dims, xsize=xsize, ysize=ysize, x0=x0,
y0=y0, map_info=map_info
 envi_doit,'mosaic_doit',fid=fids,pos=pos,dims=dims,x0=x0,y0=
y0,background=0,out_dt=2,map_info=map_info,/georef, $
 xsize=xsize,ysize=ysize,pixel_size=out_ps,see_through_val=se
e_through_val,use_see_through=use_see_through,out_bname=band names,r_fid=mosaic
;******REMOVE FIDS AND DELETE INPUTS
    for i=0,numfiles-1 do begin
    envi_file_mng, id=fids[i],/remove; ,/delete
    endfor
endif
print,"It's done!!"
endfor
end
```