
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/dawwhite/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

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)+'*.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=afid
    fids[i]=afid
  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

```

Subject: Re: MODIS Conversion ToolKit is not working? Can anyone help me?

Posted by [devin.white](#) on Wed, 20 Jan 2016 11:26:54 GMT

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The color is less important than making sure that the mctk.sav file is properly installed and ENVI is restoring it when it starts. You should see something like "Restored File: MCTK" in the console if that is happening, but you can also try this:

```
help, names='convert_modis_data', /routines, /full
```

If the compiled procedures section is blank, the plugin is not restored. Please carefully follow the installation instructions and note the supported ENVI versions (5.0 and higher).

On Tuesday, January 19, 2016 at 7:29:09 PM UTC-5, kim4ec...@gmail.com wrote:

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>

> Thank you, in advance!

>

> Harry from Korea

>

> -----

> 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)+'*.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
```
