
Subject: MODIS Conversion Toolkit problems in batch processing: please help me out!!

Posted by [kim20026](#) on Thu, 16 Aug 2007 00:20:24 GMT

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G'day, Everyone!

I would like to get Solar Zenith Angle with MODIS Conversion Toolkit (MCTK) from MYD07, collection 5. I have to process over 600 hdf files at once. This time, I am trying to process the first 5 files among them.

To do this, I...

- 1) included the name of these hdf files into a txt file... batch_st07
- 2) made a procedure using MCTK.

After I ran my Procedure file, I got this message...

"attempt to subscript NUM_DIMS_ARRAY with VALID_SDS is out of range"

Please help me out! Thank you for your comments or suggestions in advance.

Harry

This is what I have done so far...

PRO MCTK_MOD07_SOLZA

```
WorkDir07 = 'D:\MODIS_ALL\'
```

```
batch_st07 = strcompress(WorkDir07+'batch_MYD07_081307.txt',/  
remove_all)
```

```
WorkDirSat = 'D:\MODIS07\MYD07\'
```

```
numDates = file_lines(batch_st07)
```

```
Dates = StrArr(numDates)
```

```
; Read input dates from batch file
```

```
OpenR, lun, batch_st07, /Get_lun
```

```
ReadF, lun, Dates
```

```
Free_Lun, lun, /force
```

```
output_location = 'D:\MODIS07\Processed\'
```

```
output_rootname = 'SOLZA'
```

```
swath_name = 'mod07'
```

```
sd_names = ['Solar Zenith']
```

```

out_method = 1
output_projection = envi_proj_create(/geographic)
interpolation_method = 6

for j = 0, 4 do begin ; numDates-1 do begin

    s_time = systime(1)
    modis_swath_file = WorkdirSat+Dates[j]

    print, "Now processing MYD07 data using MCTK from date: ",
    Dates[j], ' File ', j+1, ' out of ', numDates

    convert_modis_data, in_file=modis_swath_file, $
    out_path = output_location, out_root= output_rootname, $
    /higher_product, /swath, swt_name=swath_name, sd_names=sd_names,
$
    out_method= out_method, out_proj=output_projection, $
    num_x_pts=50, num_y_pts=50, interp_method=interpolation_method,
$
    /no_msg

endfor

e_time = systime(1)
print, 'Elapsed time for this procedure: ', e_time - s_time

print, "Look's OK!"
end

```

```

-----
The contents of batch_st07.txt
MYD07_L2.A2006001.0355.005.2006126203815.hdf
MYD07_L2.A2006001.0530.005.2006126204759.hdf
MYD07_L2.A2006001.0535.005.2006126202918.hdf
MYD07_L2.A2006001.1735.005.2006126213235.hdf
MYD07_L2.A2006002.0435.005.2006126221739.hdf

```
