
Subject: Ayuda para utilizar MCTK para imagenes LST :MOD11A2

Posted by [josephjesus79](#) on Tue, 21 Oct 2008 17:39:41 GMT

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Quiero georeferenciar imagenes modis de temperatura y estoy utilizando el programa ejemplo del MCTK.

```
pro test_batch_modis_conversion_grid
```

```
compile_opt idl2
```

```
modis_grid_file = 'C:\MOD13A3.A2004061.h10v06.004.2004110184849.hdf'
```

```
;The specified output location MUST end in the appropriate path
```

```
;separator for your OS
```

```
output_location = 'C:\MCTK_Output\'
```

```
output_rootname = 'monthly_NDVI'
```

```
grid_name = 'MOD_Grid_monthly_1km_VI'
```

```
sd_names = ['1 km monthly NDVI','1 km monthly EVI']
```

```
;Output method schema is:
```

```
;0 = Standard, 1 = Reprojected, 2 = Standard and reprojected
```

```
out_method = 1
```

```
output_projection = envi_proj_create(/geographic)
```

```
;Specify the output X and Y pixel sizes in double precision floating
```

```
;point. Sizes must be in units relevant to selected output projection
```

```
;(degrees in this example).
```

```
out_ps_x = 0.008370d
```

```
out_ps_y = 0.008370d
```

```
;The interp_method keyword uses the same numbering scheme as
```

```
;ENVI_REGISTER_DOIT's METHOD keyword
```

```
;Choosing Triangulation with Nearest Neighbor.
```

```
interpolation_method = 6
```

```
;Set reprojection background and any native fill values to -999
```

```
;Setting num_x_pts to 50 and num_y_pts to 50 results in 2500 GCPs.
```

```
;That should be more than enough....
```

```
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=out_ps_x, out_ps_y=out_ps_y, num_x_pts=50, $
```

```
num_y_pts=50, interp_method=interpolation_method, $
```

```
background=-999, fill_replace_value=-999, $
```

```
r_fid_array=r_fid_array, r_fname_array=r_fname_array
```

```
end.
```

Este programa funciona cuando utilizas el MOD13A3, pero cuando utilizo el MOD11A2, sale el siguiente error

Attempt to subscript Num_Dims_Array with Valid_SDS is out of range.

Subject: Re: Ayuda para utilizar MCTK para imagenes LST :MOD11A2

On Oct 21, 2:39 pm, josephjesu...@gmail.com wrote:

```
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> el programa ejemplo del MCTK.
> pro test_batch_modis_conversion_grid
> compile_opt idl2
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> ;The specified output location MUST end in the appropriate path
> ;separator for your OS
> output_location = 'C:\MCTK_Output\'
> output_rootname = 'monthly_NDVI'
> grid_name = 'MOD_Grid_monthly_1km_VI'
> sd_names = ['1 km monthly NDVI','1 km monthly EVI']
> ;Output method schema is:
> ;0 = Standard, 1 = Reprojected, 2 = Standard and reprojected
> out_method = 1
> output_projection = envi_proj_create(/geographic)
> ;Specify the output X and Y pixel sizes in double precision floating
> ;point. Sizes must be in units relevant to selected output projection
> ;(degrees in this example).
> out_ps_x = 0.008370d
> out_ps_y = 0.008370d
> ;The interp_method keyword uses the same numbering scheme as
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> ;Choosing Triangulation with Nearest Neighbor.
> interpolation_method = 6
> ;Set reprojection background and any native fill values to -999
> ;Setting num_x_pts to 50 and num_y_pts to 50 results in 2500 GCPs.
> ;That should be more than enough....
> 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=out_ps_x, out_ps_y=out_ps_y, num_x_pts=50, $
> num_y_pts=50, interp_method=interpolation_method, $
> background=-999, fill_replace_value=-999, $
> r_fid_array=r_fid_array, r_fname_array=r_fname_array
> end.
>
> Este programa funciona cuando utilizas el MOD13A3, pero cuando utilizo
> el MOD11A2, sale el siguiente error
> Attempt to subscript Num_Dims_Array with Valid_SDS is out of range.
```

Hola Jose disculpa en que plataforma SO
quieres correr el MCTK.
pro test_batch_modis_conversion_grid
