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Subject: Re: ms2gt MODIS reprojection toolkit  
Posted by [Maarten\[1\]](#) on Tue, 27 Apr 2010 12:29:10 GMT  
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On Apr 27, 2:18 pm, David Fanning <n...@dfanning.com> wrote:

> Maarten writes:  
>> \* Can someone supply me with a working set of configuration files to  
>> start with MODIS 1KM data (so the 250 and 500 m channels are  
>> aggregated into 1 km bins) and end up with a Cylindrical Equidistant  
>> grid?  
>  
> Can you show me the actual command you are using.  
> And perhaps the content of the gpd file, too.

Command:

```
mod02.pl Aqua/A20100415-1155 A20100415-1155 listfile.txt  
quarterdegree.gpd chanfile.txt
```

with listfile.txt quarterdegree.gpd chanfile.txt all available within  
Aqua/A20100415-1155 A20100415-1155 as symbolic links to the actual  
files.

Error message:

```
>>> Tue Apr 27 14:26:19 2010  
MOD02: MESSAGE:  
> dirinout      = /nobackup/users/sneep/MODIS-L1/Eyjafjallajokull/Aqua/A201004 15-1155  
> tag          = A20100415-1155  
> listfile     = listfile.txt  
> gpdfile      = quarterdegree.gpd  
> chanfile     = chanfile.txt  
> ancilfile    = none  
> latlon_src   = 1  
> ancil_src    = 1  
> keep         = 0  
> rind         = 50  
>>> Tue Apr 27 14:26:19 2010 contents of listfile:  
MYD02SSH.A2010105.1155.005.2010106223112.hdf>>>Tue Apr 27 14:26:19  
2010 contents of chanfile:  
1 reflectance avg 65535  
4 reflectance avg 65535  
3 reflectance avg 65535  
mapx: unknown projection Cylindrical Equidistant  
valid types are:  
Albers Conic Equal-Area  
Albers Conic Equal-Area Ellipsoid  
Azimuthal Equal-Area
```

Azimuthal Equal-Area Ellipsoid  
Cylindrical Equal-Area  
Cylindrical Equal-Area Ellipsoid  
Cylindrical Equidistant  
Interrupted Homolosine Equal-Area  
Lambert Conic Conformal Ellipsoid  
Mercator  
Mollweide  
Orthographic  
Polar Stereographic  
Polar Stereographic Ellipsoid  
Sinusoidal  
init\_mapx: error reading map projection parameters file  
init\_grid: error reading grid parameters definition file  
>>> Tue Apr 27 14:26:20 2010 MOD02: FATAL: error opening gpdfile: quarterdegree.gpd  
at /nobackup/users/sneep/software/ms2gt/src/scripts/mod02.pl line 246

GPD file:

```
onedegree.mpp /* map projection parameters # equatorial cylindrical  
equidistant */  
1440 720      /* columns rows      # quarter degree */  
4 4          /* grid cells per map unit # */  
719.5 359.5  /* map origin column row */
```

for good measure: mpp file:

Map Projection: Cylindrical Equidistant  
Map Reference Latitude: 0.0  
Map Reference Longitude: 0.0  
Map Second Reference Latitude: 0.0  
Map Rotation: 0.0  
Map Scale: 1.0  
Map Origin Latitude: 0.0  
Map Origin Longitude: 0.0  
Map Equatorial Radius: 6378.137

- > The ms2gt software has been the bane of my existence.
- > The best that can be said of it is that it works
- > wonderfully well if you can ever get the damn thing
- > set up correctly. :-)

I'm still hoping to get to that stage...

Best,

Maarten

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