
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
> gpddfile      = 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 gpdf file: 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
