
Subject: Re: GeoTiff- grid

Posted by [robinson.inj](#) on Wed, 23 Jan 2008 13:08:52 GMT

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On Jan 22, 5:31 pm, David Fanning <n...@dfanning.com> wrote:

> Well, I tell you what. Here are the numbers I get when I use a

> LAT=20 and LON=-96.5:

>

> Corner Coordinates:

> Upper Left: (-167346.019, 3677892.560)

> Lower Left: (-167346.019, 2982923.485)

> Upper Right: (1222592.132, 3677892.560)

> Lower Right: (1222592.132, 2982923.485)

> Corners in Lon/Lat

> Upper Left: (-98.555, 51.338)

> Lower Right: (-82.367, 45.408)

>

> Here are the values I get (surprisingly close to

> ENVI's) when I use a LON of 2, instead of 20:

>

> Corner Coordinates:

> Upper Left: (-167346.019, 3677892.560)

> Lower Left: (-167346.019, 2982923.485)

> Upper Right: (1222592.132, 3677892.560)

> Lower Right: (1222592.132, 2982923.485)

> Corners in Lon/Lat

> Upper Left: (-98.037, 33.346)

> Lower Right: (-85.323, 27.832)

>

> Are you sure you did the ENVI numbers correctly?

>

> Here is the way I set up the map projection:

>

> map = MAP_PROJ_INIT(9, \$

> DATUM=5, \$

> CENTER_LAT=20.0, \$

> CENTER_LON=-96.5)

> lonlat = MAP_PROJ_INVERSE([xorigin, xend],[yend, yorigin], \$

> MAP_STRUCTURE=map)

>

> Cheers,

>

> David

>

> --

> David Fanning, Ph.D.

> Fanning Software Consulting, Inc.

> Coyote's Guide to IDL Programming (www.dfanning.com)

> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

strange. My map does not have any lat 2 value. converting the tiff image in a image with header i got:

```
ENVI
description = {
  File Resize Result, x resize factor: 1.000000, y resize factor:
1.000000.
  [Thu Jan 17 15:57:16 2008]}
samples = 3000
lines   = 1500
bands   = 1
header offset = 0
file type = ENVI Standard
data type = 2
interleave = bsq
sensor type = Unknown
byte order = 0
x start = 4380
y start = 1880
map info = {GEOTIFF (Mercator), 1.0000, 1.0000, -167346.0185,
3677892.5566, 4.6331271653e+002, 4.6331271653e+002, WGS-84,
units=Meters}
projection info = {20, 6378137.0, 6356752.3, 20.000000, -96.500000,
0.0, 0.0, WGS-84, GEOTIFF (Mercator), units=Meters}
wavelength units = Unknown
band names = {
  Resize (Band 1:MOD09GHK_A2005125_B4.tif)}
```
