
Subject: Re: GeoTiff- grid

Posted by [robinson.inj](#) on Wed, 23 Jan 2008 15:15:58 GMT

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On Jan 23, 7:08 am, robinson....@gmail.com wrote:

> 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)}- Hide quoted text -
>
> - Show quoted text -
```

David, using the GCTP keyword I solved the problem. Thank you very much for all your assistance.
