
Subject: Re: GeoTiff- grid

Posted by [robinson.inj](#) on Tue, 22 Jan 2008 22:03:54 GMT

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On Jan 22, 3:12 pm, David Fanning <n...@dfanning.com> wrote:

> David Fanning writes:

>> Humm, well, OK, here is an article that spells it out:

>

>> http://www.dfanning.com/map_tips/pixel_to_ll.html

>

>> Be aware, however, that there is an error either in this

>> article, or in the previous one. But the two articles

>> can't *both* be right. ;-)

>

> Well, after thinking about this overnight, I think by

> some miraculous twist of fate, both of these articles

> ARE right. I'm convinced of it. At least for the time

> being. :-)

>

> 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.")

David, I followed your examples but still have problems. In the uv space my corners IDL and ENVI agreed

UpperLeftCoordinate:(-167346.0185E, 3677892.5566N)

LowerRightCoordinate:(1222128.8184E,2983386.7945N)

However in the lon/lat space i got:

IDL: UpperLeftCoordinate: (-98.555279E, 45.411655N)

LowerRightCoordinate: (-81.568627E,51.346972N)

ENVI: UpperLeftCoordinate: (-98.09914722E, 33.30501389N)

LowerRightCoordinate:(-84.82142500E, 27.55810278N)

My image has 3000 col x 1500 lin. The pix resolution is 463.3127 meters.

```
mercatorMap = MAP_PROJ_INIT('Mercator', $
    DATUM=8, $ ; WGS84
    CENTER_LATITUDE=20.000, $
    CENTER_LONGITUDE=-96.5000)
```

I tried different things but in all cases idl and envi did not match, and I do not have any clue where is my error.

Any suggestion is welcome.

Robinson
