
Subject: Re: GeoTiff- grid

Posted by [robinson.inj](#) on Thu, 24 Jan 2008 14:29:31 GMT

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On Jan 24, 7:40 am, David Fanning <n...@dfanning.com> wrote:

```
> robinson....@gmail.com writes:
>> well, my 0.00000000001% was:
>> mrcMap=3Dmap_projection_init('Mercator', DATUM=3D8, /GCTP, $
>>     SEMIMAJOR_AXIS=3D0, SEMIMINOR_AXIS=3D0, $; porbably datum 8 deals
>> with this
>>     CENTER_LONGITUDE=3D-96.5, TRUE_SCALE_LATITUDE=3D20, $
>>     FALSE_EASTING=3D0, FALSE_NORTHING=3D0)
>
> Well, now. I think this is a *little* more important than
> that!
>
> Of course, I ran into the same problem. There are two
> "Mercator" projections available in IDL, and they take
> different keywords. Moreover, they give you results that
> differ by 20+ degrees of latitude. Aren't you just the
> least little bit curious about that? I know I am. :-)
>
> Plus, the one that apparently "works" is the one I can't
> get to work from my knowledge of what is in the GeoTiff
> file. It seems specialized knowledge has been called into
> play here. I'd like to know how I was suppose to discover
> that. Anyone have any ideas?
>
> Cheers,
>
> David
> --
> David Fanning, Ph.D.
> Fanning Software Consulting, Inc.
> Coyote's Guide to IDL Programming: http://www.dfanning.com/
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
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Absolutly. I am very curious about that. but after 2 days trying to undersand the big difference I am just going to use the GCTP keyword if I were in a boat :-).

I think that in IDL mercator the center_LATITUDE must be located into the image. However I can dicide to cut the image if it were too big. I took a short latitude range from a big image (by preserving the same longitude range). Probably USGS mercator (GCTP) have already thought about this possibility. It is just a idea.
