
Subject: Re: Cylindrical map projection screwed up?
Posted by [Jonathan Joseph](#) on Fri, 13 Nov 1998 08:00:00 GMT
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ISOTROPIC keyword was set, though even if it were not, I would still expect lines of longitude to be vertical and lines of latitude to be horizontal, the only difference without ISOTROPIC set should be that the number of pixels in X degrees of longitude could then be different than the number of pixels in X degrees of latitude.

David Fanning wrote:

>
> Are you missing the ISOTROPIC keyword?
>

Subject: Re: Cylindrical map projection screwed up?
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Hmmm.

It looks like this could be it. I had switched from a different type of map projection and didn't look closely at those numbers. I had been setting them to be the middle of the range of latitude/longitude that I was looking at. However, I'm not sure I understand what meaning they could have in a cylindrical projection.

Thanks.

-Jonathan

Liam Gumley wrote:

>
> Jonathan Joseph wrote:
>> I've been doing some stuff using cylindrical map
>> projections using set_map. So, darn it, I expect
>> my lines of longitude to be vertical, and my lines
>> of latitude to be horizontal in the image.
>>
>> But, when I set the LIMIT keyword to just look
>> at a small portion of the globe, this is not
>> the case. In fact, I only get a true cylindrical
>> projection if the min and max latitude have the
>> same magnitude, ie. -30 to 30 degrees.

>
> Try this:
>
> map_set, 30, -80, limit=[20,-100,40,-60], \$
> /cyl, /isot, /cont, /grid ; Bad result
>
> map_set, 0, -80, limit=[20,-100,40,-60], \$
> /cyl, /isot, /cont, /grid ; Good result
>
> Cheers,
> Liam.
>
> ---
> Liam E. Gumley
> Space Science and Engineering Center, UW-Madison
> 1225 W. Dayton St., Madison WI 53706, USA
> Phone (608) 265-5358, Fax (608) 262-5974
> <http://cimss.ssec.wisc.edu/~gumley>

Subject: Re: Cylindrical map projection screwed up?
Posted by [Liam Gumley](#) on Fri, 13 Nov 1998 08:00:00 GMT
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Subject: Re: Cylindrical map projection screwed up?
Posted by [davidf](#) on Fri, 13 Nov 1998 08:00:00 GMT
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> same magnitude, ie. -30 to 30 degrees.
>
> Is this a bug? or am I missing something obvious.

Are you missing the ISOTROPIC keyword?

Cheers,

David

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