
Subject: get lat/lon from modis SIN grid

Posted by envi35@yahoo.ca on Mon, 17 Oct 2011 15:24:42 GMT

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Hi, has anybody implemented the formulas for Coordinate conversion for the MODIS sinusoidal projection included in the MODIS Burned Area product User Guide appendix2 (on p24)?

Link to the Guide:

http://www.fao.org/fileadmin/templates/gfims/docs/MODIS_Burn ed_Area_User_Guide_2.0.pdf

Based on those formulas, one could get lat/lon information from column, row, horizontal, and vertical coordinates of the tile for each pixel in a tile. It seems to be too easy to be true? I haven't seen any post on this. Has any body tried it?

Thanks,
Jenny

Subject: Re: get lat/lon from modis SIN grid

Posted by [wwang1797](#) on Tue, 25 Nov 2014 15:28:03 GMT

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I found this post when I was struggling to derive latitude and longitude for the MODIS sinusoidal tile system.

The link provided here is very helpful but with one typo for eq 15 deriving x.

It should be $x = x_{min} + (i + 0.5) * t / n_{pixels} + ht$

On Monday, October 17, 2011 11:24:42 AM UTC-4, Jenny wrote:

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> the MODIS sinusoidal projection included in the MODIS Burned Area
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