
Subject: Re: Geographic Lat/Lon

Posted by [jeffnetties4870](#) on Sat, 12 Apr 2008 22:45:29 GMT

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On Apr 11, 6:33 pm, robinson....@gmail.com wrote:

> On Apr 11, 5:00 pm, David Fanning <n...@dfanning.com> wrote:

>

>> David Fanning writes:

>>> lons = -130.540 * Indgen(ysize) * 4.811e-3

>>> lats = 40.00 * Indgen(xsize) * 4.811e-3

>

>> Whoops! YSIZE and XSIZE would be reversed, certainly.

>> I'm going to order another....

>

>> 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.")

>

> Thanks David. But in Geographic lons are like curve lines. Thus the

> lon value for the (1,1) pixel will be, in general, different respect

> to the (last,1) pixel.

David was correct about what these ENVI header values represent. You can verify this yourself by opening an image in ENVI that is in the Geographic Lat/Lon projection (i used the world_dem file that comes with ENVI) and going to File->Edit ENVI Header. From there select Edit Attributes and then Map Info... from that pulldown menu. Then open the corresponding .hdr file for the image you opened in a text editor. You can match up numbers to the values they represent that way.

Jeff
