
Subject: Re: Envi Query

Posted by [c_jengo](#) on Wed, 26 May 2004 10:55:35 GMT

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You could use ENVI_GET_PROJECTION to get the lat/lon of pixel (1,1), and the pixel size, then figure from there. Or you could feed ENVI_CONVERT_FILE_COORDINATES a big array of image indices. Write the results to a file (two bands, one for lat, one for lon), create a header using ENVI_SETUP_HEAD, and you're good to go. Let me know if you need more detail.

Chris

Subject: Re: Envi Query

Posted by [guillem.soria](#) on Thu, 27 May 2004 11:24:08 GMT

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Dear Chris,

Thank you very much for your help. We have used two methods to obtain the lat/long of the pixels, firstly using the method that you describe below (ENVI_CONVERT_FILE_COORDINATES) and secondly, on the advice of RSI, exporting the data from a Region of Interest (ROI) to a text file, which contains all the band information, map coordinates and lat-long information.

However, we have some rather large discrepancies (around 0.005 degrees) between those lats and longs displayed in ENVI using the cursor display facility, and those that result from our own extraction procedures (including the ROI values exported from ENVI!). The map coordinates (in m) appear to be identical in all instances, suggesting that the problem is constrained to the conversion of map coordinates to geographic latitudes and longitudes.

If you have any advice on this issue we would be most grateful.

Many thanks,

Lizzie Noyes & Guillem Soria

On 26 May 2004 03:55:35 -0700, c_jengo@hotmail.com (Chris Jengo) wrote:

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> and the pixel size, then figure from there. Or you could feed

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>
> Chris
