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Subject: landsat pixel Lat/long from ENVI

Posted by [guillem.soria](#) on Thu, 27 May 2004 13:50:53 GMT

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We have used two methods to obtain the lat/long of landsat 7 pixels in ENVI, firstly using ENVI\_CONVERT\_FILE\_COORDINATES method 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

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