
Subject: OUPUT TRIGRID to ENVI

Posted by [DMac](#) on Wed, 26 Jul 2006 22:59:08 GMT

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Hello All,

I am trying to write/export a grid produced from the TRIGRID function to an ENVI image file as follows:

```
BE_GRID = TRIGRID(XBE, YBE, LAS_BE.Z, TR, NX = NX2, NY=NY2,  
XGRID=XGRID, YGRID=YGRID)  
OPENW, 1, 'd:\temp\BE_GRIDER1'  
WRITEU, 1, BE_GRID  
CLOSE, 1
```

I then manually create the header file based off the size of the array of BE_GRID and the min X and Max Y coordinate values from the input points to TRIGRID.

My problem is that when I try to bring the image up in ENVI it is flipped (i.e., the top left corner pixel value should be moved to the bottom left and the top right corner pixel value should be moved to the bottom right, etc.). If that makes any sense.

Anyone know what I might be doing wrong?

Any help is greatly appreciated.

Derek M.

Subject: Re: OUPUT TRIGRID to ENVI

Posted by [David Streutker](#) on Thu, 27 Jul 2006 17:25:25 GMT

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Btw, as you've probably already guessed, ENVI references images from the upper-left corner, so that pixel [0,0] is at the top left. Thus the need to flip with ROTATE. I believe this is also true in IDL when reading/writing image files such as TIFFs and JPEGs.

You might also look at ENVI_WRITE_ENVI_FILE for saving your images.

-David
