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Subject: How to get ASCII spectra out of an ROI in ENVI?

Posted by [jmcfee](#) on Tue, 29 Sep 1998 07:00:00 GMT

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In my continuing quest to ask at least one stupid question a week, I offer this one. I have a saved ROI for a multiband image. I want to make a file which contains the ASCII values for each band for each pixel within the ROI (I do not care what the actual position of the pixel is within the ROI). For instance, if my ROI has 40 pixels inside it, and the spectra consisted of 4 bands, I would ideally like a file like:

```
[pixel 1] band1_value band2_value band3_value band4_value
[pixel 2] band1_value band2_value band3_value band4_value
[pixel 3] band1_value band2_value band3_value band4_value
...
[pixel 40] band1_value band2_value band3_value band4_value
```

It seems crazy, but I cannot find an ENVI function that does this. It should be easy to write such an ENVI-callable IDL function, but if there is a way of doing it with existing ENVI functions, it would save me the work.

I appreciate any help. Thanks.

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