Subject: Re: subset an image programatically
Posted by Jeff N. on Mon, 02 Jan 2006 20:05:26 GMT
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I would drop the call to ENVI_GET_ROI_INFORMATION. The values of ns & nl are set early in the code by a call to ENVI_FILE_QUERY, which is querying the input image. So the call to ENVI_GET_ROI_INFORMATION is both redundant and potentially a source of error if something goes wrong in setting up the ROI's.

Also, I would set up the "black image" like this:
out_data = intarr (ns,nl,nb) - 9999
which allows you to skip a construct like this: out_data[*,*,*]

I'm also not sure why you need to bother creating ROI's in the first place? If all that you're doing is setting every pixel value outside of a vector record to -9999 (or whatever value you prefer) and keeping every value inside the vector as is, I think you have everything you need to do this without the ROIs. The variables xf and yf (later REFORMed to xpts and ypts) contain the pixel addresses of the original input image that are inside the vector record, unless I am really missing something. Why not just build a mask for the original image using those?

Jeff