
Subject: Re: Exporting ENVI display to reduced resolution JPEG

Posted by [Matt\[1\]](#) on Fri, 30 Mar 2007 13:59:28 GMT

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On Mar 29, 4:32 pm, "Jeff N." <jnett...@utk.edu> wrote:

> On Mar 29, 12:22 pm, "Matt" <mmsmith1...@gmail.com> wrote:

>

>

>

>> I need to create over 300 reduced resolution JPEGs derived from
>> satellite data. Each JPEG contains between 100 and 5000 pixels with
>> values of 1 out of 35 million pixels with values of 0. When I create
>> the reduced resolution JPEG the 1 pixels are lost in the sea of 0
>> pixels.

>

>> So, I created a vector layer that has a point for each pixel with a
>> value of 1. I then overlay the vector on the image, and export the
>> result into a reduced resolution JPEG. I've gotten as far as creating
>> the vector layer, but haven't figured out if I can programmatically
>> export the 'scroll' display that I get. The help files haven't helped
>> me much.

>

>> I have figured out that you can get a display number from ENVI once a
>> display is opened, which leads me to believe that you could use this
>> number to export the image, but haven't found anything explicitly
>> stating this.

>

>> Any suggestions on how I could go about exporting a reduced resolution
>> JPEG from a vector overlaid on a raster? Should I bypass ENVI all
>> together and work through IDL exclusively? Any input will be greatly
>> appreciated.

>

>> thanks,
>> Matt

>

> I've never tried to do this but I think you can use ENVI_DISP_QUERY to
> get the window ID of the scroll window, WSET to that window ID, then
> do a TVRD() to get the contents. The thing I'm not sure of is why you
> decided to overlay vectors. If all you are trying to do is make pixels
> stand out better, aren't there better (easier) ways to do this?

>

> Jeff

Thanks Jeff. I don't have much experience with IDL so I think I was only able to come up with a practical solution when thinking inside a GIS framework. I imagine that there are easier solutions out there but this way I was able to see each step that I needed to take. I'm not knowledgeable enough in IDL to see other simpler solutions, so any

suggestions are most welcome.

In any case, thanks for the help, I will give it a try,
Matt
