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Subject: Re: Thanks... David, Jeff, and Kuyper! Now that's more like it!!!

Posted by [James Kuyper](#) on Sat, 16 Jun 2007 12:14:36 GMT

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DirtyHarry wrote:

```
> As you suggested, I went through MODIS website and I upgraded my
> source code... But still 5% not enough, (T.T)
>
> I made a JPG file of 1 band from original image with 20 bands, but the
> shape was not what I wanted... Please check this and give me another
> suggestions.
```

I think that the most important part of your program probably isn't the part where you select which band to display. What does the code look like that you used to create the original JPG file?

```
> -----
> PRO MOD07_getband_Ta
> s_time = systime(1)
>
> out_name_Ta = 'Ta_simple.img'
>
> envi_open_file, out_name_Ta, r_fid=Ta_fid
> envi_file_query, Ta_fid, ns=ns, nl=nl, nb=nb
> dims = [-1, 0, ns-1, 0, nl-1]
> pos_Ta = lindgen(nb)
>
> data = ENVI_GET_DATA(fid=Ta_fid, dims=dims, pos=pos_Ta[19])
> WRITE_jpeg,'Ta20test.jpg',data
>
> close, /all
>
> e_time = systime(1)
> print, 'Elapsed time for this procedure: ', e_time - s_time , '
> seconds!'
```

I'm moderately familiar with the use of the envi GUI, but have no experience with it's programming interface. However, reviewing the Envi Help, I couldn't find anything obviously wrong with the code above.

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Subject: Re: Thanks... David, Jeff, and Kuyper! Now that's more like it!!!

Posted by [devin.white](#) on Sat, 16 Jun 2007 13:03:36 GMT

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You could try using the new MODIS Conversion Toolkit plugin for ENVI:

<http://www.ittvis.com/codebank/search.asp?FID=485>

It can handle MOD07 data, along with every other know MODIS product (143 at last count). There is a GUI version and a fully-accessible API. I tried to make the programmatic interface as easy to use as possible. If you do try it out, and run into any issues, please let me know. I'm always looking for ways to improve it.

On Jun 16, 3:43 am, DirtyHarry <kim20...@gmail.com> wrote:

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> As you suggested, I went through MODIS website and I upgraded my
> source code... But still 5% not enough, (T.T)
>
> I made a JPG file of 1 band from original image with 20 bands, but the
> shape was not what I wanted... Please check this and give me another
> suggestions.
>
> Harry
> -----
> PRO MOD07_getband_Ta
> s_time = systime(1)
>
> out_name_Ta = 'Ta_simple.img'
>
> envi_open_file, out_name_Ta, r_fid=Ta_fid
> envi_file_query, Ta_fid, ns=ns, nl=nl, nb=nb
> dims = [-1, 0, ns-1, 0, nl-1]
> pos_Ta = lindgen(nb)
>
> data = ENVI_GET_DATA(fid=Ta_fid, dims=dims, pos=pos_Ta[19])
> WRITE_jpeg,'Ta20test.jpg',data
>
> close, /all
>
> e_time = systime(1)
> print, 'Elapsed time for this procedure: ', e_time - s_time , '
> seconds!'
>
> END
> -----
```

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