
Subject: Re: ENVI Question: Can you programmatically access the Available Spectra List?

Posted by [Mort Canty](#) on Fri, 30 Mar 2007 07:07:47 GMT

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Jeff N. schrieb:

> Hi Mort,
>
> I already knew about your book :-) I was a TA for a remote sensing
> class in grad school last year and recommended to the prof. for that
> class that he use your book as his textbook. I still haven't gotten a
> copy for myself yet, but he has and he did say he liked it. So, in
> your book do you answer my question? I've looked everywhere for a way
> to get at this list but couldn't find it.
>
> Jeff
>

I confess (sheepishly) to never having worked with spectral libraries. But they are just like ENVI images that you can access programmatically with, e.g., `ENVI_GET_DATA`. For example the USGS Vegetation Spectral Library is a single band image with 17 lines (the different spectra) and 420 samples (the data). So if you have a library in your available bands list with file id FID and spatial subset DIMS, then

```
spectra = envi_get_data( fid=fid, dims=dims, pos=0 )
```

will put the whole thing into the IDL variable SPECTRA, and you can do `_anything_` you want with it.

Cheers

Mort
