Subject: Re: Error when calling ENVI_WRITE_ENVI_FILE
Posted by Phillip Bitzer on Fri, 25 Oct 2013 16:02:40 GMT
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Hi Simon-

Well, you're not getting what you think in the "data" variables. Check out this from the help for READ_ASCII:

The result is an IDL structure array containing the data

And this variable (ultimately) is what you're using in ENVI_WRITE_ENVI_FILE. Only problem is, according to the help, the parameter that you should pass is:

This is a 2D or 3D data array of type byte, integer, unsigned integer, long integer, unsigned long integer, long 64-bit integer, unsigned long 64-bit integer, floating-point, double-precision, complex, or double-precision complex.

You have to extract the pertinent data from the READ_ASCII function, and put it in the format ENVI_WRITE_ENVI_FILE expects. (I'll note there's probably better ways than using READ_ASCII here, but you can certainly get it to work.)

There's a couple of other things going on. Consider these lines:

```
rnd_data = FLTARR([ns], [nc]) ;float array of ns = 11, nl = 11 for 3 bands
...
red_data = READ_ASCII(redfile, DATA_START = 6, DELIMITER = string(9B))

rnd_data = [red_data]
```

Basically, the first line isn't doing anything for you, because you change the variable (more formally, dynamically cast the variable) from an array to a structure in the last line.

Hope this helps!