
Subject: Re: Error when calling ENVI_WRITE_ENVI_FILE
Posted by [Simon Mitchell](#) on Mon, 28 Oct 2013 15:55:03 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks for responding Phil and Josh.

I guess I'm just not understanding what is going on here.
What is the difference between a structure array and a data array?

When I use the code
red_data = READ_ASCII(redfile, DATA_START = 6, DELIMITER = string(9B))
rnd_data = [red_data]
print, red_data
print, rnd_data

I get the result (using a 3x3 image as an example)

```
{  
1 1 1  
1 1 1  
1 1 1  
}  
{  
1 1 1  
1 1 1  
1 1 1  
}
```

I then want to add the second band to the data (to make it BSQ format)
mir_data = READ_ASCII(mirfile, DATA_START = 6, DELIMITER = string(9B))
rnd_data = [[rnd_data], [mir_data]]
print, rnd_data

I get

```
{  
1 1 1  
1 1 1  
1 1 1  
}{  
2 2 2  
2 2 2  
2 2 2  
}
```

when what I would expect would be

```
{  
1 1 1  
1 1 1  
1 1 1  
2 2 2
```

```
2 2 2
2 2 2
}
```

and so on for the third band. Am I correct in my assumption? I assume that what I'm actually getting is a [3,3,3] array, rather than my expected [3,9] array.

But I'm also not understanding is why the ENVI_WRITE_ENVI_FILE is not accepting this data? Would you please be able to step me through my questions?

Or if someone has a better method for loading ASCII files into an ENVI standard image, could they please pass this on to me.

Many thanks in advance

Simon
