
Subject: Writing float array to file
Posted by [Kai Heckel](#) on Tue, 14 Jul 2015 08:56:13 GMT
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Hey there!

I have a quite simple problem but I didn't find a solution yet.

Given a float array with the dimensions 2048*5492 ("variables[0]"), I want to put these files in a .csv-file...

This is what I have:

```
b1=foldername[f]+'\\b1.csv'  
OPENW,1,b1  
PRINTF,variables[0]  
CLOSE,1
```

The error I get is:

PRINTF: Expression must be a scalar or 1 element array in this context: <FLOAT Array[2048, 5492]>.

What does it mean?

Thanks

Subject: Re: Writing float array to file
Posted by [Kai Heckel](#) on Tue, 14 Jul 2015 09:25:41 GMT
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Am Dienstag, 14. Juli 2015 10:56:16 UTC+2 schrieb Kai Heckel:

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Just found the mistake...

The line: "PRINTF,variables[0]"
Should be: "PRINTF,1,variables[0] "

Subject: Re: Writing float array to file
Posted by [Nikola](#) on Tue, 14 Jul 2015 10:22:15 GMT
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It means that you're missing the unit in the call of PRINTF

```
b1=foldername[f]+'b1.csv'  
OPENW, 1, b1  
PRINTF, 1, variables[0]  
CLOSE, 1
```

Anyway, it likely won't do what you want as variables[0] is just the first element of your matrix.

```
b1 = foldername[f]+'b1.csv'  
OPENW, un, b1, /get_lun  
PRINTF, un, variables  
FREE_LUN, un
```

In any case what you'll get is not really a csv (comma separated values) file. If that's what you want, then try to google how to write csv from IDL. If you plan to use the data for further analysis in IDL, csv is not very smart choice - one would rather go for plain ascii table, binary or the native IDL .sav format.

On Tuesday, July 14, 2015 at 9:56:16 AM UTC+1, Kai Heckel wrote:

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