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Subject: Help with envi\_output\_to\_external\_file  
Posted by [lorenzo](#) on Mon, 24 May 2010 16:37:08 GMT  
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Hi all,

I am new to ENVI, and I am trying to write the output of a routine to an ASCII file, using the above mentioned ENVI routine, but I consistently get an "error: incorrect number of arguments" message. The variable to be output to a file (outlib) is a 20x22 array and it shows good data.  
Help is much appreciated!

Lorenzo.

Here is the code:

```
pro sample_average
compile_opt idl2
```

```
envi, /restore_base_save_files
    envi_batch_init, log_file='batch.log'
```

```
envi_select, fid=fid, dims=dims, pos=pos
if (fid[0] eq -1) then return
;ENVI_OPEN_FILE, /NO_REALIZE, R_FID=fid, dims=dims, pos=pos
;if (fid[0] eq -1) then return
```

```
envi_file_query, fid, ns=ns, nl=nl, nb=nb
```

```
out_lib=fltarr(nb,
ns)
temp_data=fltarr(nl,
nb)
for i=0, ns-1 do
begin
    for j=0, nb-1 do
begin
        sub_dims = [-1, i, i, dims[3],
dims[4]]
        x=envi_get_data(fid=fid, pos=[j],
dims=sub_dims)
        temp_data[*
j]=x
    endfor
    for j=0, nb-1 do begin
        out_lib[j, i]=mean(temp_data[*
j])
    endfor
```

```
endfor
```

```
array=[5,1]
```

```
  envi_output_to_external_format, /ascii, out_lib, field=array,  
  dims=sub_dims, pos=pos, fid=fid, out_name ="spectra.txt"
```

```
end
```

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