
Subject: From a novice in IDL

Posted by [pjbaruah](#) on Wed, 21 Aug 2002 09:37:43 GMT

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Hi,

I am new to IDL and new to to this great group. Would be obliged if anybody can help me with my programming problem.

My program tries to do some simple data manipulation. There are say 3 binary data files [FILE1, FILE2, FILE3] and I have to put them into one big file where, the big file[FILE_NEW] contains 3 columns[for three binary files] and the rows of these files come under the columns of FILE_NEW [after transposed].

Now, when I try to run the program, as shown below, it get stuck with the listed errors below when $i=46$, i.e. when $(i*720-1)=33119$ in FILE1 of first line within the loop. ### The program worked and gave expected results when the data dimension was less, say for binary files of [115][100] ###

Just can't guess why it is so. Please help !!

-----The Program :start-----

```
pro data_stacker_big1
```

```
FILE1 = read_binary('feb_2001_geo5.bsq', DATA_DIMS=[720,356])
```

```
FILE2 = read_binary('mar_2001_geo5.bsq', DATA_DIMS=[720,356])
```

```
FILE3 = read_binary('apr_2001_geo5.bsq', DATA_DIMS=[720,356])
```

```
;Below 256320 = 720*356
```

```
FILE_NEW=bytarr(3,256320)
```

```
for i=1,356 do begin
```

```
    FILE_NEW[0,((i-1)*720):(i*720-1)]=FILE1[((i-1)*720):(i*720-1 )]
```

```
    FILE_NEW[1,((i-1)*720):(i*720-1)]=FILE2[((i-1)*720):(i*720-1 )]
```

```
    FILE_NEW[2,((i-1)*720):(i*720-1)]=FILE3[((i-1)*720):(i*720-1 )]
```

```
endfor
```

```
openw, lun, 'output.dat', /get_lun
```

```
printf, lun, FILE_NEW
```

```
free_lun, lun
```

```
end
```

-----The Program :end-----

-----Error Message while running :start-----

```
IDL> data_stack_big1
% Subscript range values of the form low:high must be >= 0, < size,
with low <= high: FILE1.
% Execution halted at: DATA_STACKER_BIG1  12 D:\IDL
programs\data_stack_big1.pro
-----Error Message while running :end-----
```

Thanking you in advance,

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