
Subject: Re: Reading into arrays with order > 2

Posted by [Osamu Sasaki](#) on Mon, 08 Nov 1999 08:00:00 GMT

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Steven Riley wrote:

```
> Assuming names3Mom is a 1D array of strings (of valid filenames) is there
> any reason why the following code will not read many files into a 3d array?
>
> FOR I=0,1 DO BEGIN
>   close,1 & openr,1,names3Mom(I)
>   readf,1,all3MomData(I,*,*)
> END
>
> I get no error messages, but when I look at my array it contains no data...?
> I'm quite sure the files being read contain data. Is this some inherent
> problem with readf and arrays with order > 2?
```

"Subscripted variable references are passed by value.

Parameters passed by value can only be inputs to program units."

(Source: IDL Online Help - Parameter Passing Mechanism)

The following code will work.

```
sz = SIZE(all3MomData)
buffer = ???ARR(sz(2), sz(3)) ; ??? is data type (INT, FLT etc.)
```

```
FOR I=0,1 DO BEGIN
  close,1 & openr,1,names3Mom(I)
  readf,1,buffer
  all3MomData(I,*,*) = buffer
END
```

May the Force be with you.

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