

---

Subject: Re: Unable to allocate memory: to make array for panchromatic file  
Posted by [Fabzi](#) on Thu, 31 Jul 2014 08:07:03 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

On 31.07.2014 09:40, phamlien24@gmail.com wrote:

> % Unable to allocate memory: to make array.  
> Not enough space

try to "clean" your code.

Avoid declaring too many variables and either reassign the ones that are not used anymore and pollute your memory or make use of temporary()

For example, this is bad:

```
IDL> ones = fltarr(5000,5000) + 1  
IDL> twos = ones + 1
```

After these two statements you'll have two large arrays in memory even if "ones" is not needed anymore. Two alternatives:

; Reassign

```
IDL> twos = fltarr(5000,5000) + 1  
IDL> twos = twos + 1
```

; Temporary

```
IDL> ones = fltarr(5000,5000) + 1  
IDL> twos = temporary(ones) + 1
```

To take an example of your code:

```
br=fltarr(ns,1,nl)  
br = (pan *(K_pan)/(Pan_Width))*0.1
```

The first assignment is useless and memory expensive. Since IDL is dynamically typed, there is absolutely no need to declare the variable "br" since it will be overwritten on the next line.

Cheers,

Fabien

---