
Subject: Re: The continuing saga of WHERE and 2D
Posted by [Sean Raffuse](#) on Thu, 27 Feb 2003 20:55:54 GMT
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"David Fanning" <david@dfanning.com> wrote in message
news:MPG.18c829481a588402989b05@news.frii.com...
> Sean Raffuse (sean@me.wustl.edu) writes:
>
>> Ok, so I've found the nifty little WhereToMulti program that converts 1D
>> where() results back to the original 2d or 3d indices. My question, and
I
>> am sensing that it is a dumb one, is how can I use these returned
indices
>> properly?
>>
>> Example:
>>
>> ;the part that works (stolen wholesale from D Fanning's website)
>> index = WHERE(image EQ test)
>> s = SIZE(image)
>> ncol = s(1)
>> col = index MOD ncol
>> row = index / ncol
>>
>> ;the part I am confused about
>> image[col, row] = PassedTheTest
>>
>> *** Error, too many elements in array. . . and you're ugly. ***
>
> Say what!? I don't think so. :-)
>
> Are you sure all your variables are defined here, Sean?
> Let's see your real code and not this pseudo code.
>

Ok, you may disagree and same I look fabulous, but I still get the error.
Here is my code snippet. Let me know if you need more.

```
HighRedorGreenLand = where(MinArray8[*,*] GT default_Bd8WaterLimit $ ;pixel  
is not water  
AND ((Tau[*,* ,5] GT Tau[*,* ,0]) OR (Tau[*,* ,4] GT  
Tau[*,* ,0])))  
WhereToMulti, MinArray8, HighRedorGreenLand, x_mask, y_mask  
Tau[x_mask,y_mask,*] = default_BelowDetLimit
```

```
ENVI> help, MinArray8  
MINARRAY8 INT = Array[3600, 1680]  
ENVI> help, Tau
```

```
TAU FLOAT = Array[3600, 1680, 8]
ENVI> help, HighRedorGreenLand
HIGHREDORGREENLAND
LONG = Array[1407735]
ENVI> help, x_mask
X_MASK LONG = Array[1407735]
ENVI> help, y_mask
Y_MASK LONG = Array[1407735]
```
