Subject: Re: Creating a sub array from an array Posted by David Fanning on Thu, 10 Jun 2010 14:38:34 GMT

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Fster writes:
```

```
> I have an array in this format
> OLR
               FLOAT
                        = Array[720, 144, 144]
> where 720 = t
> 144 = x and y
> I need to create an array for particular extracted values of this
 array where say x has values from 1 to 5 and y has values from 1 to 5.
 I'm just not sure on how to perform this, a do loop perhaps? sorry I
> am a complete beginner!
I would do something like this:
 xindices = Where(x ge 1 and x le 5, xcount)
 yindices = Where(y ge 1 and y le 5, ycount)
 CASE 1 OF
  xcount gt 0 and ycount eq 0: subOLR = olr[*,xindices,*]
  xcount eq 0 and ycount gt 0: subOLR = olr[*,*,yindices]
  xcount eq 0 and ycount eq 0: subOLR = olr
  xcount gt 0 and ycount gt 0: subOLR = olr[*,xindices,yindices]
 ENDCASE
Cheers,
David
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")
```

Subject: Re: Creating a sub array from an array Posted by jeanh on Thu, 10 Jun 2010 16:42:52 GMT

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- > xindices = Where(x ge 1 and x le 5, xcount)
- > xcount eq 0 and ycount eq 0: subOLR = olr

I suggest having subOLR = -1 in this case, as there is no match

Jean

```
Subject: Re: Creating a sub array from an array
Posted by greg.addr on Thu, 10 Jun 2010 17:28:31 GMT
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On 10 Jun., 16:27, Fster <francis.colle...@live.co.uk> wrote:
> I have an array in this format
>
                          = Array[720, 144, 144]
> OLR
               FLOAT
> where 720 = t
> 144 = x and y
> I need to create an array for particular extracted values of this
> array where say x has values from 1 to 5 and y has values from 1 to 5.
> I'm just not sure on how to perform this, a do loop perhaps? sorry I
> am a complete beginner!
Is this what you're looking for:
subset=olr[*,1:5,1:5]
regards,
Greg
```