
Subject: Re: ERROR: Attempt to subscript B with is out of range
Posted by [Helder Marchetto](#) on Wed, 24 Dec 2014 14:28:50 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Wednesday, December 24, 2014 12:52:13 PM UTC+1, g.na...@gmail.com wrote:

> Hi

>

> I've got a 3D array B[100,200,200]. My array B sometimes contains negative values and other times very large values. In order to make sure that when there are either negative or very large values will set to zero I wrote the following code:

>

> FOR i=0L,199 DO BEGIN

> FOR j=0L,199 DO BEGIN

> WRONG = total((B[* ,i,j] LT 0) OR (B[* ,i,j] GT 10000))

> IF WRONG GT 0 THEN B[* ,i,j]=0

> ENDFOR

> ENDFOR

>

> I got the error Attempt to subscript B with j is out of range. I cannot figure out with this happen with the j variable. Any idea?

Hi,

that's not the IDL way. Here is one way of doing it (didn't check, but I think it is also a lot faster):

```
;create an array
```

```
b = long(randomu(s,100,200,200)*100)
```

```
b[50,100,100] = -12
```

```
b[51,101,101] = 20000
```

```
;look for the bad values
```

```
pos = where((a lt 0) or (a gt 10000), cnt)
```

```
if cnt gt 0 then b[pos]=0
```

There are other ways of doing this sort of search for values in an array. Have a look at older posts.

Cheers,

h
