
Subject: Re: Baffled by out of range subscript error
Posted by [wlandsman](#) on Mon, 08 Aug 2016 17:18:20 GMT
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On Monday, August 8, 2016 at 12:23:09 PM UTC-4, Med Bennett wrote:

> My 3D array is 177 by 127 by 28, but I get an error stating out of range subscript at [i,j,k] = [170,21,23], which are clearly not out of range,

It could be out of range if the right hand side is a vector. Can you give the help output for

hc_fraction[w] * weights

?

```
> weights = (1./d^2 * length)/total((1./d^2 * length))
> ==> if c gt 0 then hc_bm_id2[i,j,k] = hc_fraction[w] * weights
>
>   endfor
>   endfor
> endfor
> =====
>
> % Out of range subscript encountered: HC_BM_ID2.
> % Execution halted at: $MAIN$          21 E:\Fulton\hc_model.pro
> IDL> print,i,j,k
>   170   21   23
> IDL> help,hc_bm_id2
> HC_BM_ID2    FLOAT    = Array[177, 127, 28]
> IDL> help,hc_bm_id2[i,j,k]
> <Expression>  FLOAT    =    0.000000
```
