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Subject: "Expression Must be a Scalar in this context:" error in nlinlsq function

Posted by [Erini Lambrides](#) on Tue, 28 Aug 2012 16:15:56 GMT

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Hello folks,

So within the function I am using in nlinlsq, I have a common block that contains some global variables that are found within my main routine and used in my function (for simplicities sake it's called ddr). Since nlinlsq works on a "number of functions" basis you pretty much have to recast everything as 1D. I would like to check within my function if a value of one of my arrays is 0, yet the if statement keeps giving me an error of " Expression must be a scalar in this context: <BYTE Array(5)>." Below is a sketch of the code. Thanks in advance!

```
pro auto_target_offset
```

```
common offset_vals3,blah1,blah2,blah3,...,blah13,aoffxc,aoffyc
```

```
...
```

```
solution=nlinlsq("ddr",5,3)
```

```
...
```

```
end
```

```
function ddr,m,r
```

```
common offset_vals3 (same as above)
```

```
...
```

```
if aoffxc eq 0 then w=0
```

```
...
```

```
end
```

Thanks again!

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