
Subject: array subscripting problem

Posted by [m.doyle](#) on Mon, 11 Apr 2005 13:00:14 GMT

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Hi Guys,

I've got a gridded dataset and I'm searching the grid trying to find those points which have a certain value. Once I've found this point, I want to check all points around it to see if they have the same value plus a little bit. This is what I've come up with:

```
If (data(i,j,k) GE p) THEN begin
```

```
  cd = data(i,j,k)
```

```
  If (ABS(cd-data[i-1,j-1,k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i, j-1,k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i+1,j-1,k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i-1,j, k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i+1,j, k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i-1,j+1,k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i, j+1,k]) LE mg) then f = f+1
```

```
  If (ABS(cd-data[i+1,j+1,k]) LE mg) then f = f+1
```

```
endif
```

However, array subscripting with negative numbers isn't allowed by IDL.

Has anyone any ideas how I might get around this?

Many thanks!

All the best

Martin
