
Subject: A strange error with WHERE

Posted by [Lindzen](#) on Fri, 31 Jul 2009 03:08:04 GMT

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Dear all,

I come across a strange error with WHERE function. Could you please help me to check it?

Here is part of the code. I will explain below the code.

```
outer1_begin: id_hr = where(r03_temp ge 50)
               n_hr  = n_elements(id_hr)

if (n_elements(id_hr) gt 1) then begin
  id_max  = where(r03_temp eq max(r03_temp))
  lonc    = lon_aoc(id_max)
  latc    = lat_aoc(id_max)
```

```
  ii=0
  outer2_begin: print,ii
  ii=ii+1
  lon_left = lonc-ii*0.5
  lon_right = lonc+ii*0.5
  lat_up    = latc+ii*0.5
  lat_down  = latc-ii*0.5
  id_box    = where(lon_aoc ge lon_left)
```

Here lon_left=117.25, is a float number. lon_aoc is a 80*30 matrix, with many values larger than 117.25.

If I use id=where(lon_aoc ge 117.25), id returns right results.

However, the above code returns -1 to id_box. It is really strange.

Could anyone help me? Thank you very much!

Lin
