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Subject: Having trouble with code for data to image.  
Posted by [mbweller](#) on Wed, 26 Nov 2008 05:49:00 GMT  
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Hello,

I am running the code:

```
image = fltarr(nx,ny)
deltax = (xrange[1]-xrange[0])/float(nx)
deltay = (yrange[1]-yrange[0])/float(ny)
for i=0l,ndata-1 do $
  image[(left[i]-xrange[0])/deltax:(right[i]-xrange[0])/deltax , $
    (bottom[i]-yrange[0])/deltay:(top[i]-yrange[0])/deltay] =
  magnitude
[i]
```

```
where: nx=ny=180
xrange= [-180,0]
yrange = [-90,90]
ndata = 32400 ( or180^2 or nx*ny)
eg left -180
    right -179
    top 90
    bottom 89
    magnitude 0.1648
```

and i get the error when I run the code:

```
% Subscript range values of the form low:high must be >= 0, < size,
with low <= high: IMAGE
```

I assume the problem is in the way that my data is ordered, and I have tried switching lows and highs around, but to no avail. I would imagine this is pretty simple to solve, but it is not clear to me right now.

Any insight?

Thanks,

~Matt

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