Subject: SCALE3.pro isn't doing it's job
Posted by Brian Daniel on Thu, 30 Jul 2009 20:53:05 GMT
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I'm using the SCALE3 procedure to initialize the !P.T variable for a 3D scatter plot with the following commands:

```
xRange = [min(rot_image[0,*]),max(rot_image[0,*])]
yRange = [min(rot_image[1,*]),max(rot_image[1,*])]
zRange = [min(rot_image[2,*]),max(rot_image[2,*])]
print,'X Range:',xRange
print,'Y Range:',yRange
print,'Z Range:',zRange
Scale3,XRange=xRange,$
 YRange=yRange,$
 ZRange=zRange,$
 Ax=45, Az=80
```

The problem is when I plot the axes using the "AXIS" command, they plot as if their range is zero (little stubby nubs of an axis). In fact, the ![XYZ].CRANGE variable is zero, shown here:

```
X Range:       3.5301928       27.507573
Y Range:      -17.029453       11.361599
Z Range:      -242.93368       205.39383
!X.CRANGE      0.0000000       0.0000000
!Y.CRANGE      0.0000000       0.0000000
!Z.CRANGE      0.0000000       0.0000000
```

Where the top set of numbers are my desired ranges and the bottom set is what Scale3 is giving me. I even tried setting ![XYZ].RANGE, but I still get the same result. I understand why the axes are nubs, I just don't know how to fix it. HELP!