
Subject: Another contour problem

Posted by [jeff.patrick](#) on Fri, 18 Jun 2004 15:03:07 GMT

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Hello all,

The section of code that follows appears to work fine right up until it gets to the contour command where the program hangs. No errors are given and IDL must be shutdown from task manager and restarted. The only thing I've changed from some working code I have is the SPH_SCAT commands used to be calls to a custom krigging function. Any ideas what may be causing this to happen?

Any suggestions are welcome,

Jeff

```
arrX = SPH_SCAT(arrLon, arrLat, arrXValue, BOUNDS=[1.,0.,360., 89.],  
GS=[2.,1.], BOUT=bout)
```

```
arrY = SPH_SCAT(arrLon, arrLat, arrYValue, BOUNDS=[1.,0.,360., 89.],  
GS=[2.,1.], BOUT=bout)
```

```
FOR j = 0.0, 89.0, 1.0 DO BEGIN
```

```
  FOR i = 0.0, 360.0, 2.0 DO BEGIN
```

```
    pro_ConvMagGeo, 89.0 - j, i - dblShift + 1, geo_lat, geo_lon
```

```
    IF j EQ 0.0 AND i EQ 0.0 THEN BEGIN
```

```
      arrGLat = [geo_lat]
```

```
      arrGLon = [geo_lon]
```

```
    ENDIF ELSE BEGIN
```

```
      arrGLat = [arrGLat, geo_lat]
```

```
      arrGLon = [arrGLon, geo_lon]
```

```
    ENDELSE
```

```
  ENDFOR
```

```
ENDFOR
```

```
sngH = SQRT(((arrX)^2) + ((arrY)^2))
```

```
MAP_SET, intLat, intLon, 0, /SATELLITE, SCALE=(intZoom * 1E6),  
/ISOTROPIC, /HORIZON, E_HORIZON={FILL:0, COLOR:'000000'xL},  
XMARGIN=[0,17], YMARGIN=[0,0], /NOERASE
```

```
hexTextCol = 'CCCCCC'xL ; gray text
```

```
CONTOUR, sngH, arrGLon, arrGLat, /IRREGULAR, /ISOTROPIC, /CLOSED,  
/CELL_FILL, /OVERPLOT, LEVELS=[ 20, 40, 60, 80, 100, 120, 140, 160,  
180, 200, 220, 240, 260, 280, 300, 320, 340, 360, 380, 400, 420, 440,  
460, 480, 500, 520, 540, 560, 580, 600, 620, 640, 660, 680, 700, 720,  
740, 760, 780, 800, 820, 840, 860, 880, 900, 920, 940, 960, 980, 1000]
```
