

---

Subject: TRIGRID problem

Posted by [Cathy Smith](#) on Fri, 05 Jan 2001 18:49:14 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi

I ran into a problem using TRIGRID to interpolate an array from 36x16 to 72x16

on a sphere. I have the two lines

```
triangulate,xlon1,xlat1,tr,FVALUE=slp1,sphere=s,/degrees
```

```
z=trigrid(slp1,[0.,0.],[0.,15.,355.,90.],NX=72,NY=16,/degree s,sphere=s)
```

This did not work and gave me the error

```
% TRIGRID: Points are co-linear, no solution.
```

However, using 354.99 instead of 355 gave me the correctly interpolated grid and no error.

I think I followed the directions correctly (and in fact I tried setting GS to 5x5 and other similar permutations but got the same error).

Does anyone know why?

Cathy Smith

NOAA-CIRES CDC.

---