
Subject: Re: Irregularly Lat Lon Grid: Displaying Land Types
Posted by [alonge](#) on Mon, 20 Sep 2004 18:45:05 GMT

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

> Thundurstruck wrote:

>> Hello all,

>>

>> I have vegetation type data (Integer 1-13) on a 12km grid and
>> would like to display it on a map. I don't want to contour the data
>> but rather just display the grid boxes colored according to the
>> vegetation class. I can't use map_image (not a regular lat/lon grid).
>> Any ideas or suggestions will be greatly appreciated.

> Certainly, but first you're going to have to explain to us what sort of
> grid you *do* have. What shape are the boxes? What is the geometry of
> the grid?

The grid is output from NCEP's operational ETA forecast model on the Arakawa (rotated lat-lon) E-grid. The grid is staggered row by row, rotating wind and mass points, giving the the data a diamond type grid box.

Here is a short example

```
H V H V H V
V H V H V H
H V H V H V
```

The grid is 606 in E-W or x direction and 1067 in the N-S or y direction.

The SW corner is located at 3.441S , 148.799 W
and the NW corner is located at 50.000N , 111.000 W

Thanks,
Chuck
