
Subject: Re: Irregularly Lat Lon Grid: Displaying Land Types
Posted by [Mark Hadfield](#) on Tue, 14 Sep 2004 00:18:27 GMT

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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?

--

Mark Hadfield "Ka puwaha te tai nei, Hoesa tatou"
m.hadfield@niwa.co.nz
National Institute for Water and Atmospheric Research (NIWA)

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

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> Thundurstruck wrote:

- >> Hello all,
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- >> vegetation class. I can't use map_image (not a regular lat/lon grid).
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- > 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
