Subject: Re: Formatting strings to coordinates Posted by Andy Loughe on Fri, 19 May 2000 07:00:00 GMT

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Simon de Vet wrote:

- > The data analysis adventure continues... I have read in the data, and am
- > now working on the various plots.
- > I have a string array, taken from the text file, of coordinates.
- > However, they are in the form "43.92"; ½S", and "176.50"; ½W".

- > I would like to be able to take this array of strings and convert it to
- > a numerical array or real latitudes and longitudes, from -90 to 90 and 0
- to 360 so that they can eventually be plotted onto a globe.

>

- I've figured out how to use strings to generate numerical values (ie:
- > 'Jan' -> 1, 'Feb' -> 2, etc..), but not how to handle parts of strings
- > to modify the other parts.

Any suggestions? This group has been a major help so far!

Thanks,

> Simon

For example...

```
lat1 = [43.92i; \frac{1}{2}S', \frac{43.92i}{2}N', \frac{43.92i}{2}N', \frac{43.92i}{2}N']
lat2 = (-2 * (strpos(lat1, 'S') ge 0) + 1) * float(lat1)
```

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