Subject: gridding large amounts of data
Posted by dan on Wed, 05 Oct 1994 20:40:52 GMT
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I have a large table of data in the form

LATITUDE LONGITUDE VALUE

There can be a million rows of entries in this 3 colum table.
I would like to put the data into a 1x1 degree array (fltarr(360,180))
If there are multiple entries for a particular longitude and latitude
I would like to sum the values. I could do this in an ugly do loop that
looked like

```
data=fltarr(360,180)
for i=1,num do $
 data(longitude(i),latitude(i)) = data(longitude(i),latitude(i)) + value(i)
```

This works fine for small values of num, but for num>32,767 I get an error
saying my do loop index is too large. Can I write do loops with limits
greater than 32,767 ?? Could I rewrite this in vector syntax using the
where statement ??

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** Dan Bergmann dbergmann@llnl.gov **
** Global Climate Research fax (510) 422-5844 **
** Lawrence Livermore National Lab human (510) 423-6765 **