Subject: Contour with Map_Set after reading ASCII column data
Posted by jacques.frastain on Fri, 15 May 2009 21:09:15 GMT
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Hi guys,

I am new to IDL using it to process data for my master project. I have
the following problem when it comes to using CONTOUR together with
MAP_SET after reading in an ASCII data set.

My data file looks in principle as follows:

```
lon   lat   temp    ; this header actually doesn't exists in the .dat
file
10    10    5
20    10    10
30    10    15
10    15    6
20    15    11
30    15    16
....
```

I use the following code to read the .dat file:

```
OPENR,lun,'lon_lat_temp.dat',/GET_LUN
rows = 1000
data = fltarr(3,rows)
READF,lun,data

lon = data(0,*)
lat = data(1,*)
temp = data(2,*)

lon2 = REFORM(lon)
lat2 = REFORM(lat)
temp2 = REFORM(temp)
```

This way I create a data array 'DATA   FLOAT = Array[3, 1000]' and by
using REFORM I am able to create for each of the columns within
my .dat file a row vector. However, from this point onwards I am in
trouble - say I would like to plot a world map showing contours of the
temperature (= temp) depending on my latitudes (lat) and longitudes
(lon).
Can anyone help me solving this issue?

Many thanks!

Jacques