Subject: Interpolating a regular grid
Posted by clivecook59 on Tue, 07 Mar 2006 14:22:41 GMT

It seems that the hardest part in asking for help is knowing what to
ask. I am not sure if my subject header actually corresponds to my
question, however i though it was close enough.

I have a regularly gridded array of data (calibration data for an
instument) and i want to extract values from the array. The x-array is
pressure and the y-array is temperature. The data i require does not
match with any points in the array. For example the x-array runs from
70 to 1050 mb in steps of 9 mb and the x-array goes from 180-330 K ,
how do i interpolate the array so that i could look at values which
fall in between the regularly gridded data. So, clarifying this how
would i extract a value which corresponded to a pressure of 700.6 mb
and a temperature of 234.56 K.

I hope this makes sense.

many thanks

Clive