
Subject: Re: plotting x vs. (y & T) in 2 dimensions?

Posted by [Craig Markwardt](#) on Wed, 07 Apr 2004 05:12:04 GMT

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u2s5thmember@yahoo.com (BG) writes:

> Hello,

>

> I am trying to replicate the following plot in idl (not including the

> white and black lines in the middle):

> http://mtp.jpl.nasa.gov/missions/solve/CTCdc/TZH_20000123a.P NG

>

> If I correctly understand, the data set looks like this: for each

> time[i], there is an altitude[j] array & temperature[j] array.

>

> Could you please suggest how I would go about plotting this? Also, I

You might have luck constructing a 2D array, where one axis is time and one is altitude. Then you would go through and fill the measured values into the array, and finally use an image displayer like PLOTIMAGE or IMDISP to render the image with a coordinate system.

Another possibility is to PLOT your coordinate axes first, and then overlay small image stripes for each measurement. You could use something like OPLOTIMAGE for this. Then perhaps at the end, you will need to re-render the coordinate axes in case some axis marks were obscured.

Good luck,

Craig

P.S. O/PLOTIMAGE can be found at:

<http://cow.physics.wisc.edu/~craigm/idl/idl.html> (under graphics)

and IMDISP is by Liam Gumley and available at:

<http://cimss.ssec.wisc.edu/~gumley/imdisp.html>

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