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

Posted by [u2s5thmember](#) on Tue, 06 Apr 2004 22:03:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 downloaded the colorbar.pro routine from Dave Fanning, but I don't know how to get the colorbar labels and colors to correspond to the data in the plot...

Thanks in advance for your time!

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

Posted by [candey](#) on Mon, 12 Apr 2004 18:33:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

u2s5thmember@yahoo.com (BG) wrote in message

news:<7d715aa0.0404061403.1f099943@posting.google.com>...

> 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 downloaded the colorbar.pro routine from Dave Fanning, but I don't know how to get the colorbar labels and colors to correspond to the data in the plot...

>

> Thanks in advance for your time!

You might find useful my spectrogram.pro routine that displays 2-dim array data very flexibly. The code is included in CDAWlib at

<<ftp://cdaweb.gsfc.nasa.gov/pub/CDAWlib/>>. You will need a couple other routines like Colorbar.pro. See Figure 2 on

<<http://cdaweb.gsfc.nasa.gov/cdaweb/about.html>> for an example. (My

auroral_image.pro routine is displayed in Figure 3.)

Robert Candey
