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