Subject: Re: Bar plotting in IDL
Posted by atmospheric physics on Wed, 22 Jan 2014 15:46:33 GMT
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> You are running into the same problem you ran into yesterday. IDL has a
> limitation on the number of labels it can put on an axis (60
> apparently). Each bar plot uses a label in this code.
>
> I think I would try to write something like the Error Estimate Plot in
> the Coyote Plot Gallery, where instead of plotting errors you plot the
> median value with the quadrilles on either side of it. Not sure what you
> should do with outliers in that case, but maybe they don't matter.

I have already tried this idea of plotting median values instead of mean values and quartile_25 and quartile_75 values for errorbars. I need to identify the outliers for each time-step and then flag that particular value or to say if there were more outliers from a single station data then I shall flag that station data. I have already done this and fine with my approach.

> Or, I suppose you can try overplotting no more than 60 values at a time
> on the plot. The code is pretty clunky. It was a direct port of the IDL
> routine. But, it is possible to do some nice things with it.

The above data is just the serial numbers of station numbers (xnos) and corresponding percent of outliers from the whole dataset of that particular station. In this case, I have 99 stations and I just wanted to visualize the bars to distinguish the station that is providing with most outlier data. Hence, I wanted to use the bar plot for more xtickvalues. I don't know how I can change this limitation in cgBarplot.pro.

Thanks for your suggestions ...