No disrespect intended, but what if we want to make said plot without using Coyote graphics?

On Friday, July 25, 2014 at 1:49:02 PM UTC-7, David Fanning wrote:
> tjc0010@uah.edu writes:
>
>> Well I have about 20 files and will want to show eastward propagation with time
>
> Ah, so you have more than one file. As Wesley says in the Princess
> Bride, "Why didn't you mention the wheelbarrow among our assets the
> first time?"
>
> Presumably these files contain data points at different times. Perhaps
> you have 20 such times. Now we are getting somewhere!
>
> What you have to do is build up a 2D array by selecting for longitude
> and saving the temperatures at those longitudes.
>
>   ntimes = 20
>
>   ; Read the first file, just to see how big array has to be.
>   ... read the data file, extract variables, etc.
>   lonIndices = where(lons gt -25 and lons lt 40)
>
>   ; Temperature at longitude and time
>   data = FltArr(N_Elements(lonIndices), ntimes)
>   temps = temps[lonIndices]
>   times = FltArr(ntimes)
>
>   ; Read the files in a loop and extract info for Hovmoller plot.
>   for j=0,19 DO BEGIN
>   ... Read file, extract variables, etc.
>   times = time[0]
>   data[*,j] = temps[lonIndices]
>   endfor
>
> Now, make your plot...
>
>   cgContour, data, times, lons[lonIndices], ... ; Hovmoller plot
>
> Cheers,
>
> David
> --

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> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")