On Monday, July 7, 2014 10:47:01 AM UTC-4, David Fanning wrote:
> Morgan Silverman writes:
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>
>> I have 9 .sav files each containing a different days data but with the same set of variable names. I am trying to figure out a better method to read each of these files and save the variables to different named arrays or structures so that I can then plot several days of data in the same graph. The method i've been using right now involves a lot of coding (shown below for first 2 files). Is there a better way to do this so that I can then plot multiple arrays from
>
> different .save files on the same graph? Thank you.
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> Typically, things like this are done in a loop. :-)
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> Cheers,
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> David
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>
> David Fanning, Ph.D.
>
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>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Right, of course :-) I started creating a loop but ran into trouble when I wanted to rename the structure or variables each loop iteration. I tried doing something like the following but run into trouble creating the temp variable name to use for each new structure and then using it. How do I create a new named structure or array each loop?

```
for i=0,0 do begin
flightnum = [5,10,14,4,8,11,2,6,7]
flight = flightnum(i)
restore, './DAQPadonia_AvgBackTraj_Flight'+strtrim(flight,2)+'.sav'
```

```
temp = 'Flight'+strtrim(i,2)
temp = {Avg500Lat: fltarr(73), Avg500Lon: fltarr(73), Avg1000Lat: fltarr(73), Avg1000Lon:
fltarr(73), $
   Avg1500Lat: fltarr(73), Avg1500Lon: fltarr(73), Avg2000Lat: fltarr(73), Avg2000Lon: fltarr(73)}
Flight5.Avg500Lat = Avg500Lat
```