Subject: Re: read and plot ascii data file Posted by btt on Wed, 07 Apr 2004 13:15:19 GMT

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Matthias Demuzere wrote:
> Hi,
>
> I made an ascii template in IDL with several rows and columns. If i print it
> out, is see the program is reading it correctly. No i want to use for
> example one column, ex. temperature, and plot that in a graph. Can anyone
> help me with that problem.
> hereby i give a part of my IDL program.
  ; READ STATION DATA - Marseille Observatoire
  ; location: 43�18′ ; -5�23′
  ; altidtude: 60m
  ; time interval: 15min
>
>
  fnam0='C:\RSI\IDL54\ESCOMPTE\post\surface\Mars_obs_0620_0627 .txt'
>
  Mars_Obs=READ_ASCII(fnam0, TEMPLATE = Mars_obs_0620_0627TEMPLATE)
>
>
  fnam1='C:\RSI\IDL54\ESCOMPTE\post\surface\Mars_obs_rad_0620_0627.txt'
>
  Mars Obs rad=READ ASCII(fnam1, TEMPLATE = Mars obs rad 0620 0627TEMPLATE)
>
>
 print, Mars Obs
>
  print, Mars Obs rad
Hello,
You can access the variables in each structure like this...
temp = Mars Obs.temperature
azimuth = Mars Obs rad.azimuth
plot, temp, azimuth, psym = ..., linestyle = ...., title = ...
or more directly like this...
plot, Mars_Obs.temperature, Mars_Obs_rad.azimuth, psym = ...,...
```

Look in the "Getting Started with IDL" manual (Chapters 3 and 4) for more information on just the kind of things you want to do.

Ben
