
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'
> ; altitude: 60m
> ; time interval: 15min
>
>
> fnam0='C:\RS\IDL54\ESCOMPTE\post\surface\Mars_obs_0620_0627.txt'
>
> Mars_Obs=READ_ASCII(fnam0, TEMPLATE = Mars_obs_0620_0627TEMPLATE)
>
> fnam1='C:\RS\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
