Subject: Re: Help with creating array and plotting
Posted by David Fanning on Fri, 14 May 2004 14:28:33 GMT
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Dennis Lamenti writes:

> Thanks for any suggestions.
> Below is a procedure for reading a structures in the arguments passed to
> procedure.

Oh, dear. :-(

> This is my first attempt at writing anything like this and it took me a long
> time to write and plot it the way i want.

Well, we all start some place. I guess more than a few of
us have started somewhere right along here. :-)

A couple of questions. I presume that you are observing
the same set of stars every night, yes? So the Stars
arrays always have the same star names in them. Is that right?

In other words, when you issue this command:

```
t=where(star1[I] EQ star2, count)
```

Is "count" anything other than 1?

Are the star names always in the same order in the Star
arrays? Or is your problem that they are out of order?

Does this describe your problem:

> I observe the same X number of stars every night and
> record their magnitudes. I would like to plot how
> their magnitudes differ each night from magnitudes
> I observed the first night.

If we could get some answers to these questions, we might
be able to come up with a little better code for you. :-)

Cheers,

David
--
David Fanning, Ph.D.
Fanning Software Consulting
Coyote's Guide to IDL Programming: http://www.dfanning.com/

Subject: Re: Help with creating array and plotting
Posted by Dennis Lamenti on Wed, 19 May 2004 10:29:23 GMT
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> I presume that you are observing
> the same set of stars every night, yes? So the Stars
> arrays always have the same star names in them. Is that right?

Some arrays have more stars than others and the starnames are not in the same location in the file so that is the reason for the t=where(star1[I] EQ star2, count)

> Or is your problem that they are out of order?

they are out of order.

> I observe the same X number of stars every night and
> record their magnitudes. I would like to plot how
> their magnitudes differ each night from magnitudes
> I observed the first night.

describes the problem except that it is not the same number each night and some stars may appear the second night that was not on the first not or any combination like that, so that is why i have a comparison for first night only, so i can track star1 differences to each night. and here is abit more. i would like to plot with a line following same star for each of the four nights (line from data point on first night to follow data point on second night, etc.)

Thank you for your help Dr. Fanning. I am actually using your book for my learning process in coming to programming in IDL.

Dennis Lamenti

"David Fanning" <david@dfanning.com> wrote in message news:MPG.1b0e857b3fde2e6f98975b@news.frii.com...
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