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Subject: Re: saving arrays within loop

Posted by [David Fanning](#) on Sun, 22 Apr 2007 15:04:01 GMT

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metachronist writes:

> I have binary datafiles (daily records for every minute from a given  
> station) which I could read using anonymous structures without any  
> problem. What I am trying to do is to read data from different  
> stations and group them into one big array, having indices =  
> (number\_of\_stations, data\_having\_dimensions\_of\_dim).  
>  
> For example, I have tried this.. Outside the loop, I define the struct  
> and replicate the struct and within the loop, read the complete  
> datafile ('data', having dimensions of 1440,31) from different  
> stations.

I am confused. If you can read these data files into anonymous structures, and you make an ARRAY of these anonymous structures, why can't you just loop through the data files, reading each file, and then storing the data in the appropriate location in your array of structures? In the end, you will have (or can easily create) what you want.

> But only, the last station values get stored?! Do I need to index the  
> individual station temp values? I didn't think so.

Well, if only the last station values get stored, then I would think the ONLY solution would be to index the station values. But I can't really tell from your description what you think that means.

> What is it that I am doing which is so obviously wrong?

I think you are trying to make it too hard. If you already have something that works, just do that thing for all your data files. In the end, you can treat your array of structures in the way you apparently want to treat your data.

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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