
Subject: Re: Reading large files with restore
Posted by [Sir Loin Steak](#) on Fri, 20 Sep 2013 15:30:56 GMT
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On Friday, 20 September 2013 16:25:36 UTC+1, David Fanning wrote:

> ljs15@fsmail.net writes:

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>> I have a script (which I didn't write) which loops through different months and reads in atmospheric variables from .sav files, with a different file for each month. These files contain lots of data, and hence are around 200-500 MB in size.

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>> When I run the script it takes a long time to restore the data on each loop (obviously!), but it makes my entire computer go slow, and on occasion it completely freezes and I have no choice but to actually turn the computer off and on again.

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>> I am assuming this is a memory issue, and was wondering if anyone knew a way around these problems (re-writing the script and save files isn't really an option I want to consider). Is there perhaps some way of 'de-allocating' the memory after the completion of each loop?

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> Wait, you have a program that does something crazy, but you don't want

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> to change it? Do I have that right? I would say off-hand that this

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> hampers our ability to provide a solution. (Even prayer is unlikely to

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> work in this situation.)

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> Is this "script" a main-level program by any chance?

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> Cheers,

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> David

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>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Ha! Well, what I mean is that the .sav files have already been created, and I don't have access to any of the scripts or the original data to re-produce them. So whatever I do, I'm still going to have to read the .sav files in.

The script is a main-level program which restores the save files, gets the relevant data it wants from the complete data set (e.g. temperature and cloud opacities) and then writes this subset of data to a file.

As I say, I can't (easily or quickly) do anything about the save files, so just thought there may be some memory thing which can help me.

Cheers,

Liam
