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Subject: Re: Restore problem.

Posted by [R.G. Stockwell](#) on Thu, 27 Aug 2009 21:45:00 GMT

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"Liam Gumley" <liamgumley@gmail.com> wrote in message  
news:abab51bc-6813-4b0c-a285-51e72c9c5e33@w6g2000yqw.googleg rroups.com...

On Aug 27, 2:24 pm, "R.G. Stockwell" <noemai...@please.com> wrote:

> "David Fanning" <n...@dfanning.com> wrote in message

>

> news:MPG.250089ba351c1ddf989864@news.giganews.com...

>

>> R.G. Stockwell writes:

> ...

>> I'm not saying you are wrong about this, and

>> there could very well be a problem with RESTORE.

>> But, that would be \*far\* down on the list of things

>> I would be checking. Have you considered that the

>> variables you put into the save file may not have

>> had the values you thought they had? That would

>> be at the top of my list.

>

>> Any luck duplicating the problem?

>

> Aparrently it can be reproduced by writing the save in

> IDL 7.0.6, and reading it in IDL 7.1.

>

> However, I see the problem reading the file (from 7.0.6) in IDL 6.3 as

> well.

>

> I'll snoop around and see if I can make a good example.

>

> I agree that the RESTORE problem seems unlikely (and user

> error seems quite likely), but this is such a simple operation.

> It is basically 3 steps.

>

> Save, array1, array2, array3

> email it to me

> restore, filename

>

> cheers,

> bob

Have you considered computing a checksum for the file to make sure it  
is not corrupted during the email step? md5sum works well for this  
task.

Do you see the same problem if you skip the email step?

I just ran the following test and everything worked as expected:

Create save file on Mac running IDL 7.1:

IDL Version 7.1, Mac OS X (darwin x86\_64 m64). (c) 2009, ITT Visual Information Solutions

```
IDL> data = dist(256)
```

```
IDL> save, data, filename='dist256.sav'
```

Send file to Linux box (via scp) running IDL 6.2 and read it:

IDL Version 6.2 (linux x86\_64 m64). (c) 2005, Research Systems, Inc.

```
IDL> restore, 'dist256.sav'
```

```
IDL> help, data
```

```
DATA      FLOAT    = Array[256, 256]
```

```
IDL> print, max(abs(data - dist(256)))
```

```
0.00000
```

Cheers,

Liam.

Practical IDL Programming

<http://www.gumley.com/>

\*\*\*\*\*

thanks Liam, good suggestions.

I have not reproduced the problem locally. I think I will conclude that this

is "user error" in the creation of the file. I suspect there was a miscommunication

between what the data was, and what data was actually sent.

cheers,

bob