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Subject: Re: Catching I/O errors on RESTORE  
Posted by [R.Bauer](#) on Mon, 11 Mar 2002 07:40:01 GMT  
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"M. Katz" wrote:

>  
> Here's in I/O error-trapping question for the IDL gurus out there...  
>  
> Working in IDL 5.4 on SunOS UNIX, I'd like to catch errors  
> that occur when reading a bad or incomplete--but existing--  
> IDL SAVE file. I want to use ON\_IOERROR, but it doesn't  
> seem to catch errors that occur with the RESTORE function.  
> Here's more information...  
>  
> I create a smallish (100-200 bytes) disk file with  
>  
> SAVE, x, y, z, filename="myfile.dat"  
>  
> Since I have lots of programs running simultaneously, different  
> parts of my program or different IDL sessions may be  
> SAVEing and RESTOREing these files in quick succession.  
>  
> Before I RESTORE, I always check for the existence of the file with  
> FRELUN, 10  
> OPENR, 10, filename, ERROR=err  
>  
> Sometimes, the file exists but is empty (!), then IDL tries to RESTORE  
> and comes back with an END OF FILE error.  
>  
> SO, I put in an error catcher:  
>  
> ON\_IOERROR, error\_label  
>  
> Yet the program still halts with an END OF FILE, and the error  
> trap is never activated. Any ideas?  
> I would like the RESTORE file to trip the error trap and go  
> nicely to my error-handling code.  
>  
> Thanks, MKatz

Dear MKatz,

I have had a similiar problem.

```
RESTORE,filename=file
PRINT,!error_state.name
IF !error_state.name NE 'IDL_M_SUCCESS' THEN MESSAGE,'FILE BAD',/INFO
```

regards

Reimar

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a IDL library at ForschungsZentrum Juelich

[http://www.fz-juelich.de/icg/icg1/idl\\_icglib/idl\\_lib\\_intro.h tml](http://www.fz-juelich.de/icg/icg1/idl_icglib/idl_lib_intro.h tml)

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