Subject: Re: how to clear error message
Posted by wlandsman on Thu, 04 Nov 2010 10:51:39 GMT
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On Nov 3, 10:29 pm, Truong Le <truong...@gmail.com> wrote:
> On Nov 3, 10:24 pm, Truong Le <truong...@gmail.com> wrote:
>
>
>
>
>
>> On Nov 3, 9:44 pm, David Fanning <n...@dfanning.com> wrote:
>
>>> Truong Le writes:
>>>> David, I am not trying to suppress the error but instead I am
>>>> trying to catch that error so that I can exit my loop and read the
>>>> next FITS file.
>
>>> Yes, and several people have suggested a CATCH error
>>> handler, which to almost everyone responding here
>>> would seem to be *exactly* what you want to use.
>>> So, what is the problem?
>
>>> Is the problem that the "message" is an informational
>>> message and not really an error?
>
>>> We really need more details I guess, if we are going
>>> to help in any sensible way. It doesn't help us to know
>>> something "didn't work." That's almost always an excuse
>>> for pilot error. :-)
>
>>> Cheers,
>
>>> David
>
>>> --
>>> David Fanning, Ph.D.
>>> Fanning Software Consulting, Inc.
>>> Coyote's Guide to IDL Programming:http://www.dfanning.com/
>>> Sepore ma de ni thui. ("Perhaps thou speakest truth.")
>
>> okay, let's say I have 100 FITS files that I want to loop through to
>> check certain
>> keywords from each FITS file. To obtain the header keywords I use the
>> headfits.pro
>> from the Astronomy IDL's library. When one of the FITS file is badly
>> formatted headfit
>> spat out a run-on warning message "% MRD_HREAD: Warning-Invalid

>> characters in header" and
>> then eventually die. I want to be able to catch this error and move on
>> reading the next
>> FITS file. The problem that I am having is that I use the "Catch"
>> error handler to catch
>> this error as people have suggested but it doesn't work. I have read
>> some of your other
>> thread that talk about trapping error by using
>
>> files = ['file1.fits', 'file2.fits', 'file3.fits', ...]
>> for i=0,100 do begin
>>   header = headfit(files[i])
>
>>   Help, /Last_Message, Output=theErrorMessage
>>   errorLength = N_ELEMENTS(theErrorMessage)
>
>>   if (errorLength GT 0) then begin
>>   goto, jumptoendOFloop
>>   endif
>>   ....
>>   ....
>>   ....
>>   jumptoendOfloop
>> endfor
>
>> This will trap the error of the bad FITS file, however, I need to know
>> how I can clear
>> the "errors" that are in memory so that in my next loop with a good
>> FITS file I will pass
>> through the above example.
>
>> and thank you for all the help guys!
>
> incomplete thought :-) ...
>
> I have read some of your other thread that talk about trapping error
> by using
>
>>   Help, /Last_Message, Output=theErrorMessage
>>   errorLength = N_ELEMENTS(theErrorMessage)
>
> I need to know how to clear the "errors" that are in memory once you
> have trap the
> error using the above method?

You can use message,/reset to clear the errors, so your code will look
like this

```
Help, /Last_Message, Output=theErrorMessage
errorLength = N_ELEMENTS(theErrorMessage)
if (errorLength GT 0) then begin
  message,/reset
  goto, jumptoendOFloop
endif
```