
Subject: Re: how to clear error message

Posted by [wlandsman](#) on Thu, 04 Nov 2010 02:25:10 GMT

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On Nov 3, 8:58 pm, Truong Le <truong...@gmail.com> wrote:

> On Nov 3, 7:59 pm, wlandsman <wlands...@gmail.com> wrote:

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>> On Nov 3, 7:43 pm, ThanhThoan Nguyen <marct...@gmail.com> wrote:

>

>>>> > When I try to read a bad FITS file I obtain the following error

>

>>>> > % MRD_HREAD: Warning-Invalid characters in header

>

>>> I am trying to loop over several FITS files, and I want to be able to

>>> catch

>>> this error and move on to the next FITS file. With the silent keyword

>>> I don't

>>> think this will resolve my problem.

>

>> Note that MRD_HREAD is not printing an error message, but an

>> "informational" message.

>> Below is the relevant code within MRD_HREAD

>

>> ; Check that there aren't improper null characters in strings that are

>> causing

>> ; them to be truncated. Issue a warning but continue if problems are

>> found.

>

>> w = where(strlen(block) ne 80, Nbad)

>> if (Nbad GT 0) then begin

>> if ~keyword_set(SILENT) then message, /INF, \$

>> 'Warning-Invalid characters in header'

>> block[w] = string(replicate(32b, 80))

>> endif

>

>> You might be able to catch the error if you change the /INFORMATIONAL

>> to /CONTINUE.

>

>> --Wayne

>

> I am sorry but are you suggesting that I modify the MRD_HREAD

> procedure?

Yes, I am suggesting that you modify the MRD_HREAD procedure.

I assume this is a one-time case where for some reason you have been given some corrupted FITS files mixed with good ones. So I would make the above change to MRD_HREAD and when you are done processing these files, revert back to the original MRD_HREAD. (Better yet, I would first flag the corrupted files -- and find out how they are corrupted -- by using the fitsverify tool (http://fits.gsfc.nasa.gov/fits_verify.html).

If for some reason you expect this problem to keep occurring, then I suggest you contact the author of MRD_HREAD ;-) and ask for a new keyword -- maybe /STRICTERROR to tell MRD_HREAD to abort with an error signal at any sign of a corrupted file, rather than trying to keep reading the file, as it currently does. --Wayne
