Subject: Re: MWRFITS not writing header
Posted by wlandsman on Mon, 06 Jun 2016 15:23:55 GMT
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On Monday, June 6, 2016 at 7:28:07 AM UTC-4, Thomas Siegert wrote:

>
> Even the minimal example
>
> a=lonarr(10,10,10)
> hdr='COMMENT This is a comment line to put in the header''
> mwrfits,a,'test.fits',hdr
>
> does not include the head in the "test.fits" file.

You have to include a real FITS header not just a string.   There are rules for a FITS header: for example the second line must start with BITPIX and say how many bits per pixel are in the data.   You can use
http://idlastro.gsfc.nasa.gov/ftp/pro/fits/mkhdr.pro
to create a minimal FITS header given an array

Now two caveats:
1. The documentation for MWRFITS was incorrect (though it is now fixed http://idlastro.gsfc.nasa.gov/ftp/pro/fits/mwrfits.pro) which is what probably what led you to think you could supply a string rather than a FITS header.

2.   I am not sure why using a FITS header from another file didn't work.   Note that this FITS header must be written at the same time as the structure, or else it will be put in a different FITS extension.

--Wayne