Subject: How can I make the headers of two fits files same in IDL?
Posted by Sonu Tabitha on Fri, 08 Apr 2016 04:11:53 GMT
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Is there any way to match the headers of two fits files?

Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by wlandsman on Fri, 08 Apr 2016 14:30:43 GMT
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On Friday, April 8, 2016 at 12:11:54 AM UTC-4, Meegle_Jade wrote:
> Is there any way to match the headers of two fits files?

This question could mean many different things.

But to make the FITS header in a file test2.fits the same as in file test1.fits

h = headfits('test1.fits')
modfits,'test2.fits',0,h

using routines from http://idlastro.gsfc.nasa.gov/homepage.html

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Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by Michael Galloy on Fri, 08 Apr 2016 15:21:04 GMT
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On 4/8/16 8:30 AM, wlandsman wrote:
> On Friday, April 8, 2016 at 12:11:54 AM UTC-4, Meegle_Jade wrote:
>> Is there any way to match the headers of two fits files?
>
> This question could mean many different things.
>
> But to make the FITS header in a file test2.fits the same as in file test1.fits
>
> h = headfits('test1.fits')
> modfits,'test2.fits',0,h
>
> using routines from http://idlastro.gsfc.nasa.gov/homepage.html
>

I agree that this could mean many things. If by "match the headers of
two fits files" you mean check to see the differences between two
headers, then check out my routine MG_FITS_DIFF:

   https://github.com/mgalloy/mglib/blob/master/src/fits/mg_fit s_diff.pro

---

You can ignore specified keywords as well.

Mike
--
Michael Galloy
www.michaelgalloy.com
Modern IDL: A Guide to IDL Programming (http://modernidl.idldev.com)

Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by Sonu Tabitha on Mon, 11 Apr 2016 09:26:37 GMT
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On Friday, April 8, 2016 at 9:41:54 AM UTC+5:30, Meegle_Jade wrote:
> Is there any way to match the headers of two fits files?

Does this change the BITPIX and NAXIS values?

Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by wlandsman on Mon, 11 Apr 2016 13:06:05 GMT
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On Monday, April 11, 2016 at 5:26:41 AM UTC-4, Meegle_Jade wrote:
> On Friday, April 8, 2016 at 9:41:54 AM UTC+5:30, Meegle_Jade wrote:
>> Is there any way to match the headers of two fits files?
>
> Does this change the BITPIX and NAXIS values?

No.   You would have to first do this yourself with CHECK_FITS,/UPDATE

Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by Sonu Tabitha on Wed, 13 Apr 2016 03:31:35 GMT
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On Friday, April 8, 2016 at 9:41:54 AM UTC+5:30, Meegle_Jade wrote:
> Is there any way to match the headers of two fits files?

Infact I have to make the header of fits file 'exponential.fits'same as that of 'empirical.fits'. I gave the following code for that

```
im = readfits('empirical.fits',h)
hdr = 'exponential.fits'
check_FITS, im, hdr, /UPDATE
end
```

I saved it as FITSMATCH.pro. On executing I am getting the following error

Library file does not contain a procedure or function.
% Compiled module: FITSMATCH.
% Attempt to call undefined procedure/function: 'FITSMATCH'.
% Execution halted at: $MAIN$

Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by Sonu Tabitha on Wed, 13 Apr 2016 05:14:37 GMT

On Wednesday, April 13, 2016 at 9:01:37 AM UTC+5:30, Meegle_Jade wrote:
> On Friday, April 8, 2016 at 9:41:54 AM UTC+5:30, Meegle_Jade wrote:
>> Is there any way to match the headers of two fits files?
>
> Infact I have to make the header of fits file 'exponential.fits'same as that of 'empirical.fits'. I gave the following code for that
>
> im = readfits('empirical.fits',h)
> hdr = 'exponential.fits'
> check_FITS, im, hdr, /UPDATE
> end
>
> I saved it as FITSMATCH.pro. On executing I am getting the following error
>
> Library file does not contain a procedure or function.
> % Compiled module: FITSMATCH.
> % Attempt to call undefined procedure/function: 'FITSMATCH'.
> % Execution halted at: $MAIN$

Or is there any way to do it with write_fits?

Subject: Re: How can I make the headers of two fits files same in IDL?
Posted by wlandsman on Wed, 13 Apr 2016 13:21:44 GMT

You need to add

pro fitsmatch

as the first line