
Subject: how to replace fits variable and store back into same fits file??

Posted by [Sapna Mishra](#) on Tue, 19 Jul 2016 11:48:12 GMT

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Hello all,

I am reading a file as:

```
aa=mrdfits('spec.fits',1,h)
```

in that i have an array: aa.FLUX

which is an array of 40000 float numbers.

I want to change the all values inside the array say aa.FLUX with some another array say B of size 40000 such that

new aa.FLUX becomes:

```
aa.FLUX=B
```

and I want to store in back in file spec.fits with new values of aa.FLUX.

Can any one suggest me how to replace it and save it in fits files???

I tried with:

```
sxaddpar,1,aa.FLUX,B
```

but its not working.

Any help please

Subject: Re: how to replace fits variable and store back into same fits file??

Posted by [wlandsman](#) on Tue, 19 Jul 2016 12:50:24 GMT

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On Tuesday, July 19, 2016 at 7:48:15 AM UTC-4, Sapna Mishra wrote:

>

> new aa.FLUX becomes:

> aa.FLUX=B

> and I want to store in back in file spec.fits with new values of aa.FLUX.

>

```
mwrfits,'spec.fits',aa,h
```

Subject: Re: how to replace fits variable and store back into same fits file??

Posted by [Sapna Mishra](#) on Tue, 19 Jul 2016 14:57:06 GMT

On Tuesday, July 19, 2016 at 6:20:26 PM UTC+5:30, wlandsman wrote:
> On Tuesday, July 19, 2016 at 7:48:15 AM UTC-4, Sapna Mishra wrote:
>
>>
>> new aa.FLUX becomes:
>> aa.FLUX=B
>> and I want to store in back in file spec.fits with new values of aa.FLUX.
>>
>
> mwrfits,'spec.fits',aa,h

No its not working that way i tried it.
actually I have :
aa=mrdfits('spec-3819-55540-0876.fits',1,h)

```
IDL> help,aa,/str
** Structure <a469504>, 8 tags, length=32, data length=32, refs=1:
  FLUX      FLOAT      12.7965
  LOGLAM     FLOAT      3.55550
  IVAR       FLOAT      0.0395813
  AND_MASK   LONG        0
  OR_MASK    LONG      851968
  WDISP      FLOAT      1.55296
  SKY        FLOAT      4.95728
  MODEL      FLOAT      18.1191
```

now I only want to change value of aa.FLUX.
doing mwrfits,'spec.fits',aa,h as you suggested is changing value of all variables. Is any one getting my problem???

Subject: Re: how to replace fits variable and store back into same fits file??
Posted by [wlandsman](#) on Tue, 19 Jul 2016 15:07:56 GMT

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On Tuesday, July 19, 2016 at 10:57:08 AM UTC-4, Sapna Mishra wrote:
> On Tuesday, July 19, 2016 at 6:20:26 PM UTC+5:30, wlandsman wrote:
>> On Tuesday, July 19, 2016 at 7:48:15 AM UTC-4, Sapna Mishra wrote:
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> MODEL         FLOAT      18.1191
>
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> doing mwrfits,'spec.fits',aa,h as you suggested is changing value of all variables. Is any one
getting my problem???
```

you say you only changed the value of aa.flux. The other structure tags remained the same. Why would you think that they changed?

Subject: Re: how to replace fits variable and store back into same fits file??

Posted by [Craig Markwardt](#) on Tue, 19 Jul 2016 16:42:37 GMT

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On Tuesday, July 19, 2016 at 10:57:08 AM UTC-4, Sapna Mishra wrote:

```
> now I only want to change value of aa.FLUX.
> doing mwrfits,'spec.fits',aa,h as you suggested is changing value of all variables. Is any one
getting my problem???
```

Did you change the values of any of the other columns stored in AA? If you did not make any changes to AA, then writing out with MWRFITS will just create a new file with the same column values you started with.

CM
