Subject: read FITS header keyword using IDL Astronomy users's library Posted by Truong Le on Mon, 01 Nov 2010 16:47:46 GMT

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AII,

Does anyone know if one can use the IDL astronomy users's library to obtain just the header keyword (in other word, I want to check if a header keyword exist in the FITS file)?

I checked the library but could really see any procedure that actually does what I really wanted.

Thanks

Subject: Re: read FITS header keyword using IDL Astronomy users's library Posted by polystethylene on Mon, 01 Nov 2010 17:08:03 GMT View Forum Message <> Reply to Message

```
On Nov 1, 4:47 pm, Truong Le <truong...@gmail.com> wrote:

> All,

> Does anyone know if one can use the IDL astronomy users's library to

> obtain just the header

> keyword (in other word, I want to check if a header keyword exist in

> the FITS file)?

> I checked the library but could really see any procedure that actually

> does what I really wanted.

> Thanks

SXPAR will do this for you...

i.e...

fits = READFITS('data',header)
result = SXPAR(header,'keyword',COUNT=A)

I think if you then do

print,COUNT
```

and zero is returned, the keyword isn't present...

Subject: Re: read FITS header keyword using IDL Astronomy users's library Posted by Truong Le on Mon, 01 Nov 2010 17:26:10 GMT

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```
On Nov 1, 1:08 pm, polystethylene <polystethyl...@hotmail.com> wrote:
> On Nov 1, 4:47 pm, Truong Le <truong...@gmail.com> wrote:
>
>> All,
>
>> Does anyone know if one can use the IDL astronomy users's library to
>> obtain just the header
>> keyword (in other word, I want to check if a header keyword exist in
>> the FITS file)?
>> I checked the library but could really see any procedure that actually
>> does what I really wanted.
>
>> Thanks
> SXPAR will do this for you...
>
> i.e...
>
> fits = READFITS('data',header)
> result = SXPAR(header,'keyword',COUNT=A)
 I think if you then do
>
>
 print,COUNT
>
> and zero is returned, the keyword isn't present...
Great, thanks!
```

Subject: Re: read FITS header keyword using IDL Astronomy users's library Posted by wlandsman on Mon, 01 Nov 2010 17:26:56 GMT View Forum Message <> Reply to Message

```
On Nov 1, 1:08 pm, polystethylene <polystethyl...@hotmail.com> wrote:

> On Nov 1, 4:47 pm, Truong Le <truong...@gmail.com> wrote:

> All,

> Does anyone know if one can use the IDL astronomy users's library to

> obtain just the header

> keyword (in other word, I want to check if a header keyword exist in

> the FITS file)?
```

```
>
>> I checked the library but could really see any procedure that actually
>> does what I really wanted.
>> Thanks
> SXPAR will do this for you...
Yes, and here's a little function if you want it...
function fits keyword exist, file, keyword, exten=exten
return 1 if specified keyword exists in FITS file header. Primary
header
; is searched unless EXTEN keyword is set.
hdr = headfits(file,exten=exten)
dum = sxpar(hdr,keyword,count=count)
return.count<1
end
IDL> print, fits keyword exist('test.fits', 'bitpix')
       1
```

Subject: Re: read FITS header keyword using IDL Astronomy users's library Posted by Jeremy Bailin on Tue, 02 Nov 2010 14:57:57 GMT View Forum Message <> Reply to Message

```
On Nov 1, 1:08 pm, polystethylene <polystethyl...@hotmail.com> wrote:

> On Nov 1, 4:47 pm, Truong Le <truong...@gmail.com> wrote:

> All,

> Does anyone know if one can use the IDL astronomy users's library to

> obtain just the header

> keyword (in other word, I want to check if a header keyword exist in

> the FITS file)?

> I checked the library but could really see any procedure that actually

> does what I really wanted.

> Thanks

> SXPAR will do this for you...

> i.e...
```

```
> fits = READFITS('data',header)
  result = SXPAR(header, 'keyword', COUNT=A)
> I think if you then do
>
> print,COUNT
```

> and zero is returned, the keyword isn't present...

Also note that if you only want to read in the header and not the rest of the file, you can use HEADFITS instead of READFITS.

-Jeremy.