

---

Subject: Re: mrd\_struct failure for string values inside the VM

Posted by [wlandsman](#) on Tue, 14 Apr 2015 12:49:06 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

I can tell you why the problem is likely occurring but not how to fix it :-)

mrd\_struct.pro creates a structure given a list of tag names and associated variables inside a program ( [http://idlastro.gsfc.nasa.gov/ftp/pro/structure/mrd\\_struct.pro](http://idlastro.gsfc.nasa.gov/ftp/pro/structure/mrd_struct.pro) ). By default, it uses EXECUTE() but it also has a less capable mode which does not use EXECUTE() and so can be used with the virtual machine. In this less capable mode, one supplies mrd\_struct with the data type and dimensions of the variables rather than the variables themselves. I suspect FITSHEAD2STRUCT needs to be modified -- in a manner similar to mrdfits.pro -- so it can call mrd\_struct in this less capable mode.

On Monday, April 13, 2015 at 1:42:28 PM UTC-4, vino wrote:

> Hi,  
>  
> I am trying to run a project in IDL VM. I am trying to convert fits headers into structures using the fitshead2struct.pro. My program fails at the MRD\_STRUCT.pro, when the given tag values are strings, such as DATE\_OBS.  
>  
> Can someone please help? Even an alternative to fitshead2struct is also welcome..  
>  
> This is all the error I receive from VM:  
>  
> 'ERROR - Invalid field value: "  
>  
> Thanks in advance,  
>  
> Regards,  
> Vino

---