
Subject: Re: Change structure tags from float to double
Posted by [R.Bauer](#) on Wed, 08 Jul 2009 15:30:33 GMT
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Anthony schrieb:

> Hi again,
>
> David - I'm reading data using MRDFITS - not sure I can convert the
> data when reading it in??
>
> Reimar - does it work on arrays of structures? I tried this:

not directly but you can call reform_struct beforehand
http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_html/dbase/reform_struct_dbase.pro.html
and afterwards

wget

http://www.fz-juelich.de/icg/icg-1/idl_icglib/idl_source/idl_html/dbase/download/reform_struct.sav

```
IDL> x2 = reform_struct(x,5,/tag)
IDL> help,x2
X2          STRUCT  = -> <Anonymous> Array[1]
```

```
y = replace_tagvalue(x2, 'A', double(x.a))
```

```
x = reform_struct(y,5,/str)
IDL> help ,x
X          STRUCT  = -> <Anonymous> Array[5]
IDL> help ,x,/str
** Structure <1dc3b78>, 2 tags, length=16, data length=10, refs=1:
  A          DOUBLE      0.0000000
  B          INT         0
```

cheers
Reimar

```
>
> IDL> x = replicate({a:0., b:0}, 5)
> IDL> help, x
> X          STRUCT  = -> <Anonymous> Array[5]
> IDL> help, x, /struct
> ** Structure <15ee908>, 2 tags, length=8, data length=8, refs=1:
>  A          FLOAT      0.00000
>  B          LONG       0
> IDL> y = replace_tagvalue(x, 'A', double(x.a))
> IDL> help, y
```

```
> Y          STRUCT  = -> <Anonymous> Array[1]
> IDL> help, y, /struct
> ** Structure <15f5518>, 2 tags, length=64, data length=60, refs=1:
>   A          DOUBLE  Array[5]
>   B          LONG    Array[5]
>
> ... but it completely changed the structure.
>
> Maybe I'll just edit the FITS file manually...
>
> Anthony
```
