
Subject: Re: Reading GrADS data file in IDL
Posted by [Kyong Hwan Seo](#) on Fri, 26 Jan 2001 03:36:05 GMT
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msienkiewicz@my-deja.com wrote:

>
> The basic GrADS file format is very simple. The data are stored as
> a sequence of unformatted floating point arrays. If your '.ctl' file does
> not have any special options specified (i.e. 'options sequential',
> 'options byteswapped', 'options bigendian' or the like) and you are
> planning to read it on a computer that has the same 'endianness'
> as the computer that generated it - well you can just use the ASSOC
> command and access those arrays directly from the disk. To advise
> further, we'd need to have a look at your .ctl file.
>

>
> Meta
>

Thanks, Meta

I believe the ctl file is pretty much usual one.
Could you show me one example of using ASSOC command(function) for my
case.

Thanks again,

Seo

(Note that the z dimensions for variables are different (16 or 10).)
Below is the ctl file:

```
DSET csf_rNCEP_flux.data
undef -9999.
TITLE CSEOFs of NCEP reanalysis
* -----
XDEF 47 LINEAR 45.0 5.0
*
YDEF 47 LINEAR -57.5 2.5
*
ZDEF 16 LEVELS 925 850 700 600 500 400 300 250 200 150 100 70 50 30 20
10
*
TDEF 96 LINEAR Jan1958 1mo
*
```

```
vars 33
xubup 16 35,100,0 ** x1
xupup 16 35,100,0 ** x2
xvbup 16 35,100,0 ** x3
xvpub 16 35,100,0 ** x4
xvpup 16 35,100,0 ** x5
xwbup 10 35,100,0 ** x6
xwpub 10 35,100,0 ** x7
xwpup 10 35,100,0 ** x8
xtbup 16 35,100,0 ** x9
xtpub 16 35,100,0 ** x10
xtpup 16 35,100,0 ** x11
yubvp 16 35,100,0 ** y1
yupvb 16 35,100,0 ** y2
yupvp 16 35,100,0 ** y3
yvbvp 16 35,100,0 ** y4
yvpvp 16 35,100,0 ** y5
ywbvp 10 35,100,0 ** y6
ywpvb 10 35,100,0 ** y7
ywpvp 10 35,100,0 ** y8
ytbvp 16 35,100,0 ** y9
ytpvb 16 35,100,0 ** y10
ytpvp 16 35,100,0 ** y11
zubwp 10 35,100,0 ** z1
zupwb 10 35,100,0 ** z2
zupwp 10 35,100,0 ** z3
zvbwp 10 35,100,0 ** z4
zvpwb 10 35,100,0 ** z5
zvpwp 10 35,100,0 ** z6
zwbwp 10 35,100,0 ** z7
zwpwp 10 35,100,0 ** z8
ztbwp 10 35,100,0 ** z9
ztpwb 10 35,100,0 ** z10
ztpwp 10 35,100,0 ** z11
ENDVARS
```

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