Subject: Reading and using GrADS format binary data in IDL
Posted by Maura Hannenberger on Mon, 06 Oct 2003 20:20:03 GMT
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How do you read in and then call up data in binary format. It is in the type that is used in GrADS where it is organized as:

```
 Time 1, Level    ?, Variable slp
* variable slp only has one level
        Time 1, Level 1000, Variable z
        Time 1, Level  850, Variable z
* then levels 700, 500, 400, 300, 250, 200, then
        Time 1, Level  150, Variable z
        Time 1, Level  100, Variable z
        Time 1, Level 1000, Variable t
        Time 1, Level  850, Variable t
* then levels 700, 500, 400, 300, 250, 200, then
        Time 1, Level  150, Variable t
        Time 1, Level  100, Variable t
        Time 1, Level 1000, Variable td
        Time 1, Level  850, Variable td
        Time 1, Level  700, Variable td
        Time 1, Level  500, Variable td
        Time 1, Level  400, Variable td
        Time 1, Level  300, Variable td
        Time 1, Level 1000, Variable u
        Time 1, Level  850, Variable u
            * then levels 700, 500, 400, 300, 250, 200, then
        Time 1, Level  150, Variable u
        Time 1, Level  100, Variable u
        Time 1, Level 1000, Variable v
        Time 1, Level  850, Variable v
            * then levels 700, 500, 400, 300, 250, 200, then
        Time 1, Level  150, Variable v
        Time 1, Level  100, Variable v
        Time 2, Level    ?, Variable slp
        Time 2, Level 1000, Variable z
        Time 2, Level  850, Variable z
        Time 2, Level  700, Variable z
        Time 2, Level  500, Variable z
        Time 2, Level  400, Variable z
                .
                .
                .
               etc
```

I'd like to create an array organized with time constant and the level changing for each variable for each time. Each of these is done for a

gridded latitude and longitude set around the globe.
Thanks for any help.

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