How to read GRIB with CDMS

Reading GRIB 1

To read GRIB (regular grids only), use the “grib2ctl.pl” perl script to generate the control file (“.ctl”).

```
dset ^test.grb
index ^test.grb.idx
undef 9.999E+20
title test.grb
*  produced by grib2ctl v0.9.12.5p32l
dtype grib 255
options yrev
ydef 181 linear -90.000000 1
xdef 360 linear 0.000000 1.000000
tdef 1 linear 18Z01jan1996 6hr
zdef 21 levels
21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
vars 1
O3hbl 60 203,109,0 ** Ozone mass mixing ratio kg kg**-1
```

Example Control (*.ctl) file

[produced by *grib2ctl.pl*]

***grib2ctl.pl* is available at:**

http://www.cpc.ncep.noaa.gov/products/wesley/grib2ctl.html

Reading GRIB 2

The ‘gribmap’ utility (part of GrADS) is used to create a small index file that points to the correct sections of the GRIB file to access the actual data.

Typical usage:

```
$ grib2ctl.pl afile.grb > afile.ctl
$ gribmap –e –i afile.ctl
# Open via the “afile.ctl” file.
```

***gribmap* is available as part of GrADS at:**

http://grads.iges.org/grads/