

**NAME**

**mbm\_grdinfo** – Macro to get information regarding a GMT grd file when the region of interest is a subset of the area covered in the input file.

**VERSION**

Version 5.0

**SYNOPSIS**

**mbm\_grdinfo** **-Iinfile** [**-Rw/e/s/n** **-H** **-V**]

**DESCRIPTION**

**mbm\_grdinfo** is a macro to get information regarding a GMT grd file when the region of interest is a subset of the area covered in the input file. If no bounds are specified, the program **grdinfo** is called directly. If longitude and latitude bounds are specified, then the specified region is cut from the input file using the macro **mbm\_grdinfo**, and the information is obtained from the subset temporary grd file using **grdinfo**.

**MB-SYSTEM AUTHORSHIP**

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**OPTIONS**

- H** This "help" flag cause the program to print out a description of its operation and then exit immediately.
- I** *infile*  
 Sets the filename of the input GMT grid file. This file must be in the GMT NetCDF GRD format.
- R** *w/e/s/n*  
 Sets the bounds of the area of interest in the grid file. The information reported will pertain to this area only.
- V** The **-V** option causes **mbm\_grdinfo** to print out status messages.

**EXAMPLES**

Suppose that we have used **mbgrid** to obtain a topography grid file called **KohalaA\_bath.grd** in the GMT NetCDF GRD format:

```
mbgrid -Idatalist \
      -OKohalaA_bath \
      -R-155.72855/-155.31928/20.09488/20.47645 \
      -E30.0/0m! -A2 -N -G3 -C1 -V
```

Further suppose that one wishes to determine the depth range in a smaller area with bounds of 155 degrees 31 minutes W to 155 degrees 26 minutes W in longitude and 20 degrees 13 minutes N to 20 degrees 18 minutes N in latitude. The following will suffice:

```
mbm_grdinfo -I KohalaA_bath.grd -R-155:31/-155:26/20:13/20:18
-V
```

**SEE ALSO**

**mbsystem(1), mbm\_grdplot(1), mbm\_grdinfo(1)**

**BUGS**

This macro is new and hasn't been tested in serious usage yet – let us know what to fix, add, or change!.