NAME

mbm_arc2grd – Macro to convert an ArcView ASCII grid to a GMT grid file in the GMT NetCDF grid format.

VERSION

Version 5.0

SYNOPSIS

mbm_arc2grd **–I***arcfile* **–O***grdfile* [**–H –V**]

DESCRIPTION

mbm_arc2grd is a macro to convert a ArcView ASCII grid to an GMT grid file in the GMT NetCDF grid format. This allows users to import the grid into GMT. The grid will have the same grid interval in both longitude and latitude. The macro first obtains the bounds, dimensions, and grid cell size of the grid by parsing the six line header. The macro then reformats the gridded data as xyz data, writing it to a temporary file. This temporary file is processed using the GMT program **xyz2grd**, yielding a GMT GRD format grid file.

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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 *arcfile*
Sets the filename of the input ArcView ASCII grid.

–O *grdname*
Sets the filename of the output GMT grid file. This file will be in the GMT NetCDF GRD format.

–V The **–V** option causes **mbm_arc2grd** to print out status messages.

EXAMPLES

Suppose that we have obtained an ascii ArcView grid called kohalab.asc. To translate this file to a GMT grd file, the following will suffice:

```
mbm_arc2grd –I kohalab.asc –O kohalab.grd –V
```

Running the example above produced the following output:

```
Program mbm_arc2grd status:
        Input ArcView ASCII  file: kohalab.asc
        Output GRD file:           kohalab.grd
        Grid dimensions:  1597  1431
        Grid cell sizes:  0.0001914456033  0.0001914456033
        Grid bounds:      –155.72855  –155.423002817133    20.1318  20.405567212719

Running xyz2grd...
xyz2grd: nx = 1597  ny = 1431
```

SEE ALSO

mbsystem(1), **mbm_grd2arc**(1), **mbm_grid**(1)

BUGS

Perhaps.