NAME

mbdefaults - Set or list default mbio parameters for reading and writing swath sonar data

VERSION

Version 5.0

SYNOPSIS

mbdefaults [**-D***psdisplay* **-I***imagedisplay* **-L***lonflip* **-T***timegap* **-W***project* **-V** **-H**]

DESCRIPTION

mbdefaults is a utility for setting or listing the default read parameters used by some **MBIO** utilities such as **MBCOPY**. If a user wishes to set default parameters different from those set by the **MBIO** library, then these specialized default values must be stored in the file .mbio_defaults in the users home directory. If any option flag is given in invoking **mbdefaults**, then a new .mbio_defaults file will be written incorporating the newly set parameters along with any old parameters which have not been reset. If no option flag is given, then **mbdefaults** will list the current default values (set by **mbio** if no .mbio_defaults file exists).

CHANGES FROM VERSION 4.6

Note that prior to version 5.0, the **MB-System** defaults set by **mbdefaults** included the format id, a control for ping averaging, longitude and latitude bounds for windowing by area, and begin and end times for windowing in time. These values are no longer set in the .mbio_defaults file or controlled by **mbdefaults**.

AUTHORSHIP

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OPTIONS

–D *psdisplay*
Sets the program used for displaying Postscript graphics files on a screen; this facility is used by shellscripts created through macros like **mbm_plot**. The default Postscript display utility is **ghostview**. Other common Postscript display utilities are **pageview** (for Sun workstations) and **xpsview** (for Silicon Graphics workstations.

–H This "help" flag cause the program to print out a description of its operation and then exit immediately.

–I *imagedisplay*
Sets the program used for displaying Tiff image files on a screen; this facility is used by shellscripts created through macros like **mbm_grdtiff**. The default image display utility is **xv**. Other common image display utilities are **gimp** (GNU image processing) and **gqview**.

–L *lonflip*
Sets the range of the longitude values returned. If *lonflip*=-1 then the longitude values will be in the range from -360 to 0 degrees. If *lonflip*=0 then the longitude values will be in the range from -180 to 180 degrees. If *lonflip*=1 then the longitude values will be in the range from 0 to 360 degrees. Default: *lonflip* = 0.

–T *timegap*
Sets the maximum time gap in minutes between adjacent pings allowed before the data is considered to have a gap. Default: *timegap* = 1.

–V Normally, **mbdefaults** outputs only a list of the default values to the stdout stream. If the **-V** flag is given, then **mbdefaults** works in a "verbose" mode and also outputs the program version being

used.

–W *project*
Sets the name of the default project. This will be used by MB-System database management utilities yet to be created. Default: *project* = "none".

EXAMPLES

Suppose that one wishes the default Postscript viewer to be xpsview rather than ghostview. The following will suffice to create (or rewrite) a .mbio_defaults file in the users home directory: mbdefaults -Dxpsview

The output will be:

```
New MBIO Default Control Parameters:
lonflip:  0
timegap:  1.000000
ps viewer:  xspsview
img viewer: xv
project:    none
```

Suppose that one just wishes to see what the current default parameters are. The following will suffice: mbdefaults

The output will be

```
Current MBIO Default Control Parameters:
lonflip:  0
timegap:  1.000000
ps viewer:  ghostview
img viewer: xv
project:    none
```

SEE ALSO

mbsystem(l), **mbio**(l), **mbcontour**(l), **mbswath**(l), **mbgrdtiff**(l), **mbm_plot**(l), **mbm_grdplot**(l), **mbm_grd3dplot**(l), **mbm_xyplot**(l), **mbm_grdtiff**(l)

BUGS

Too simple to have any really interesting bugs.

Well, ok, this program occassionally runs wild, destroying filesystems and eating young children. But don't worry, it could never happen to you...