NAME

mbformat – List information about swath sonar data formats supported by the **MBIO** library.

VERSION

Version 5.0

SYNOPSIS**mbformat [–F***format* **–I***file* **–L –K –V –H]**

DESCRIPTION

mbformat is a utility which identifies the swath sonar data formats associated with **mbio** format id's. If no format id or input filename is specified, **mbformat** lists all of the currently supported formats along with short descriptions. If a format id is specified using the **–F** option, then **mbformat** prints a short description of that format. If a filename is specified using the **–I** option, then **mbformat** attempts to identify a valid format id for that file using swath data filename prefix and suffix conventions embedded in **MB-System**. The program also determines the filename "root", which is the filename minus whatever format-specific prefix or suffix has been recognized. In no prefix or suffix is recognized, then the root is simply the entire filename.

Normally, **mbformat** prints out a brief description of each identified format. If the **–L** option is used, **mbformat** simply prints out the valid format id number, or 0 if a file or format has been specified but no valid id can be identified. If the **–K** option is used, **mbformat** will print out the filename "root" followed by the format id number.

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OPTIONS

–F *format*
Sets the format id to be listed. If no format is given, all of the currently supported formats will be listed. A list of the swath sonar data formats currently supported by **MBIO** and their identifier values is given in the **MBIO** manual page.

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

–I *file*
Sets the filename to be tested against known filename prefix and suffix conventions in order to identify the format id.

–K Causes the fileroot and the format id to be output. The fileroot is the filename with any format specific suffix removed.

–L Causes the format descriptions to be omitted so that only the **MBIO** format id numbers are listed.

–V Normally, **mbformat** only prints out format descriptions. If the **–V** flag is given, then **mbformat** works in a "verbose" mode and also outputs the program version being used.

EXAMPLES

Suppose one wishes to identify the swath sonar data format associated with a format id of 11. The following will suffice:

```
mbformat –F11
```

and the result will be this output:

```
MBIO data format id: 11
```

Format name: MBF_SBSIOMRG
Informal Description: SIO merge Sea Beam
Attributes: Sea Beam, bathymetry, 16 beams, binary, uncentered,
SIO.

Suppose one wishes to list all of the currently supported data formats. The following will suffice:
mbformat

Suppose one wants to find out what format is associated with a raw SeaBeam 2112 file named sb199811231045.rec:
mbformat −I sb199811231045.rec
This results in the output:
MBIO data format id: 41
Format name: MBF_SB2100RW
Informal Description: SeaBeam 2100 series vender format
Attributes: SeaBeam 2100, bathymetry, amplitude
and sidescan, 151 beams and 2000 pixels, ascii
with binary sidescan, SeaBeam Instruments.

Using the −K option:
mbformat −K −I sb199811231045.rec
will produce the following output:
sb199811231045 41
where the format id has been identified as 41 because of the ".rec" file suffix and the fileroot has been identified as "sb199811231045" by removing the suffix. Use of the −L option:
mbformat −L −I sb199811231045.rec
will produce output with just format id:
41

SEE ALSO

mbsystem(1), **mbio**(1)

BUGS

No known bugs.