NAME

mbmask, **mbdumpesf –** Output text version of beam edits from a binary edit save file.

VERSION

Version 5.0

SYNOPSIS

mbdumpesf –Ifile [**–V –H**]

DESCRIPTION

Swath bathymetry data is typically edited either with interactive tools such as **mbedit** or automatic filters such as **mbclean**. In **MB-System**, the beam flags are stored in binary "edit save files" (file suffix ".esf"). The program **mbdumpesf** reads esf files and outputs each of the edit events as a text line to stdout.

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MBDUMPESF OPTIONS

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

–I *file*
"Edit save file" from which the edit events will be read.

–V Normally, **mbdumpesf** outputs one line for each edit event in the input esf file. If the **–V** flag is given, then **mbdumpesf** also outputs the total number of each type of edit event at the end of the listing.

EXAMPLES

Suppose one has edited a swath file 20080422_222636.mb88, resulting in an esf file named 20080422_222636.mb88.esf. To dump the edit events as a text stream, use **mbdumpesf**:

```
mbdumpesf –I 20080422_222636.mb88.esf
```

The output will look something like:

```
EDITS READ: i:0 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:21 action:1
EDITS READ: i:1 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:22 action:1
EDITS READ: i:2 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:23 action:1
EDITS READ: i:3 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:24 action:1
EDITS READ: i:4 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:25 action:1
EDITS READ: i:5 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:26 action:1
EDITS READ: i:6 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:27 action:1
EDITS READ: i:7 time: 947562291.799000 2008/04/22 22:26:36.799000 beam:28 action:1
```

Here the large time value is epoch seconds (seconds since 1/1/1970), and the edit event action values are:

action=1: flag manually
action=2: unflag
action=3: zero – make beam null
action=4: flag by autofilter

SEE ALSO

mbsystem(1), **mbedit**(1), **mbeditviz**(1), fBmbclean**(1), mbunclean(1)**

BUGS

Too simple to have any interesting problems.