

NAME

mbmakeplatform – creates or modifies an MB-System platform file.

VERSION

Version 5.0

SYNOPSIS

```
mbmakeplatform
[
  --verbose
  --help
  --input=plffile
  --swath=datalist
  --swath=swathfile
  --swath-format=value
]
--output=plffile
[
  --platform-type-surface-vessel
  --platform-type-tow-body
  --platform-type-rov
  --platform-type-auv
  --platform-type-aircraft
  --platform-type-satellite
  --platform-name=string
  --platform-organization=string
  --platform-documentation-url
  --platform-start-time
  --platform-end-time
  --add-sensor-sonar-echosounder
  --add-sensor-sonar-multiechosounder
  --add-sensor-sonar-sidescan
  --add-sensor-sonar-interferometry
  --add-sensor-sonar-multibeam
  --add-sensor-sonar-multibeam-twohead
  --add-sensor-sonar-subbottom
  --add-sensor-camera-mono
  --add-sensor-camera-stereo
  --add-sensor-camera-video
  --add-sensor-lidar-scan
  --add-sensor-lidar-swath
  --add-sensor-position
  --add-sensor-compass
  --add-sensor-vru
  --add-sensor-imu
  --add-sensor-ins
  --add-sensor-ins-with-pressure
  --add-sensor-ctd
  --add-sensor-pressure
  --add-sensor-soundspeed
  --end-sensor
  --sensor-model=string
  --sensor-manufacturer=string
  --sensor-serialnumber=string
```

```
--sensor-capability-position
--sensor-capability-depth
--sensor-capability-altitude
--sensor-capability-velocity
--sensor-capability-acceleration
--sensor-capability-pressure
--sensor-capability-rollpitch
--sensor-capability-heading
--sensor-capability-magneticfield
--sensor-capability-temperature
--sensor-capability-conductivity
--sensor-capability-salinity
--sensor-capability-soundspeed
--sensor-capability-gravity
--sensor-capability-topography-echosounder
--sensor-capability-topography-interferometry
--sensor-capability-topography-sass
--sensor-capability-topography-multibeam
--sensor-capability-topography-photogrammetry
--sensor-capability-topography-structurefrommotion
--sensor-capability-topography-lidar
--sensor-capability-topography-structuredlight
--sensor-capability-topography-laserscanner
--sensor-capability-backscatter-echosounder
--sensor-capability-backscatter-sidescan
--sensor-capability-backscatter-interferometry
--sensor-capability-backscatter-sass
--sensor-capability-backscatter-multibeam
--sensor-capability-backscatter-lidar
--sensor-capability-backscatter-structuredlight
--sensor-capability-backscatter-laserscanner
--sensor-capability-photography
--sensor-capability-stereophotography
--sensor-capability-video
--sensor-capability-stereovideo
--sensor-capability1=value
--sensor-capability2=value
--sensor-offsets=x/y/z/azimuth/roll/pitch
--sensor-offset-positions=x/y/z
--sensor-offset-angles=azimuth/roll/pitch
--sensor-time-latency=value
--sensor-time-latency-model=file
--sensor-source-bathymetry
--sensor-source-bathymetry1
--sensor-source-bathymetry2
--sensor-source-bathymetry3
--sensor-source-backscatter
--sensor-source-backscatter1
--sensor-source-backscatter2
--sensor-source-backscatter3
--sensor-source-subbottom
--sensor-source-subbottom1
--sensor-source-subbottom2
--sensor-source-subbottom3
```

```
--sensor-source-position
--sensor-source-position1
--sensor-source-position2
--sensor-source-position3
--sensor-source-depth
--sensor-source-depth1
--sensor-source-depth2
--sensor-source-depth3
--sensor-source-heading
--sensor-source-heading1
--sensor-source-heading2
--sensor-source-heading3
--sensor-source-rollpitch
--sensor-source-rollpitch1
--sensor-source-rollpitch2
--sensor-source-rollpitch3
--sensor-source-heave
--sensor-source-heave1
--sensor-source-heave2
--sensor-source-heave3
--modify-sensor=sensorid
--modify-sensor-bathymetry
--modify-sensor-bathymetry1
--modify-sensor-bathymetry2
--modify-sensor-bathymetry3
--modify-sensor-backscatter
--modify-sensor-backscatter1
--modify-sensor-backscatter2
--modify-sensor-backscatter3
--modify-sensor-subbottom
--modify-sensor-subbottom1
--modify-sensor-subbottom2
--modify-sensor-subbottom3
--modify-sensor-position
--modify-sensor-position1
--modify-sensor-position2
--modify-sensor-position3
--modify-sensor-depth
--modify-sensor-depth1
--modify-sensor-depth2
--modify-sensor-depth3
--modify-sensor-heading
--modify-sensor-heading1
--modify-sensor-heading2
--modify-sensor-heading3
--modify-sensor-rollpitch
--modify-sensor-rollpitch1
--modify-sensor-rollpitch2
--modify-sensor-rollpitch3
--modify-sensor-heave
--modify-sensor-heave1
--modify-sensor-heave2
--modify-sensor-heave3
--modify-offsets=ioff/x/y/z/azimuth/roll/pitch
```

```
--modify-offset-positions=ioff/x/y/z
--modify-offset-angles=ioff/azimuth/roll/pitch
--modify-time-latency=value
--modify-time-latency-model=file
]
```

DESCRIPTION

Mbmakeplatform handles preprocessing of swath sonar data as part of setting up an MB-System processing structure for a dataset. This program replaces the several format-specific preprocessing programs found in MB-System version 5 releases with a single program for version 6. This program is under development, and is not ready for general use at this time.

MB-SYSTEM AUTHORSHIP

David W. Caress
Monterey Bay Aquarium Research Institute
Dale N. Chayes
Center for Coastal and Ocean Mapping
University of New Hampshire
Christian do Santos Ferreira
MARUM - Center for Marine Environmental Sciences
University of Bremen

OPTIONS

--verbose

By default **mbmakeplatform** outputs minimal information to the shell. This option causes the program to indicate it's progress as it runs. Goody.

EXAMPLES

To be written.....

SEE ALSO

mbsystem(1), **mbdatalist(1)**, **mbprocess(1)**

BUGS

Oh yeah.