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.