

Operating MWAVES – One Page Summary

Processing Single Bursts:

- 1) Copy the binary data from the compact flash card of your MAVS-3 to your PC and unpack it with MAVSPack.
- 2) Start MWAVES and browse to the data folder where MAVSPack put the output DATANN.DAT files. Place CONFIG.BIN and DEPLOY.BIN in the same folder.
- 3) Select a data file and a burst number
- 4) Choose the MEM or the Longuet-Higgins algorithm
- 5) Choose processing based on Pressure or Vertical Velocity measurements
- 6) Enter the Sensor Height Above Bottom and the Water Depth
- 7) Click Process Selection
- 8) Return to Step (3) and select another burst (repeat as desired)

Processing All Bursts:

- 1) Copy the binary data from the compact flash card of your MAVS-3 to your PC and unpack it with MAVSPack.
- 2) Start MWAVES and browse to the data folder where MAVSPack put the output DATANN.DAT files. Place CONFIG.BIN and DEPLOY.BIN in the same folder.
- 3) Choose the MEM or the Longuet-Higgins algorithm
- 4) Choose processing based on Pressure or Vertical Velocity measurements.
- 5) Enter the Sensor Height Above Bottom and the Water Depth.
- 6) Click Process All

Settings You May Wish to Adjust:

- 1) FFT length
- 2) Bandwidth

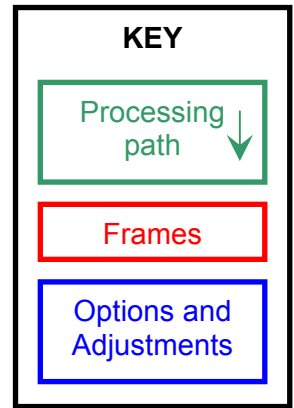
Interesting Comparisons:

- 1) MEM versus Longuet-Higgins
- 2) Pressure versus Vertical Velocity

Other Things You May Wish to Do:

- 1) Use Automatic bandwidth adjustment
- 2) Save wave statistics to a file
- 3) Save or print images of the Control Panel and Plots

Operating MWAVES – Data Processing Map



START HERE
1) Unpack the data

2) Browse to data folder

3) Select file and burst

4) MEM / Longuet-Higgins

5) Pressure / Vertical Velocity

6) Sensor Height / Water Depth

7) Process or Process All

Save / Print plots

Data Selection Frame

Save / Plot wave statistics

Wave Statistics Frame

Interactive Plot

Adjust bandwidth

Process Control Frame

Bandwidth Control Frame

Adjust FFT length

Automatic / Manual

