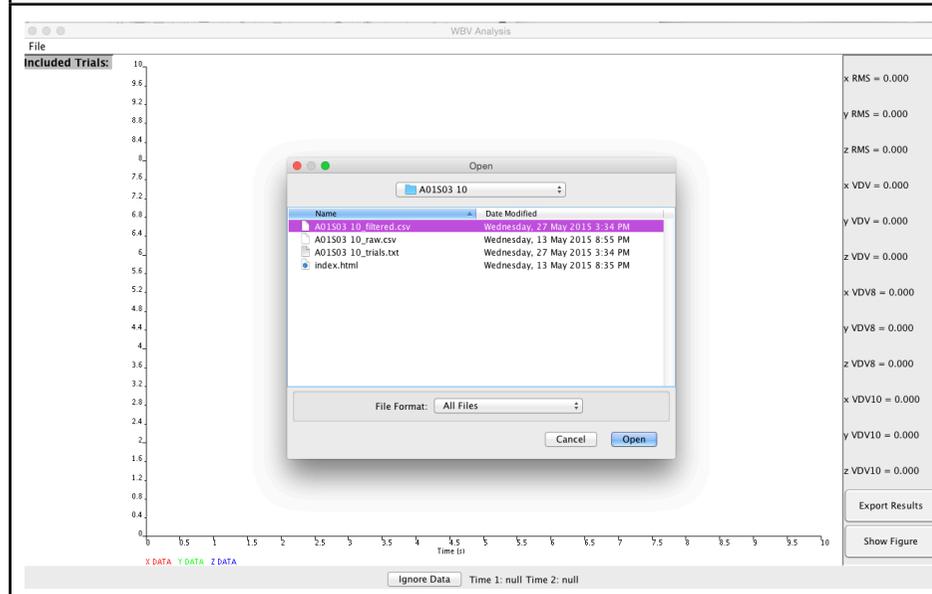
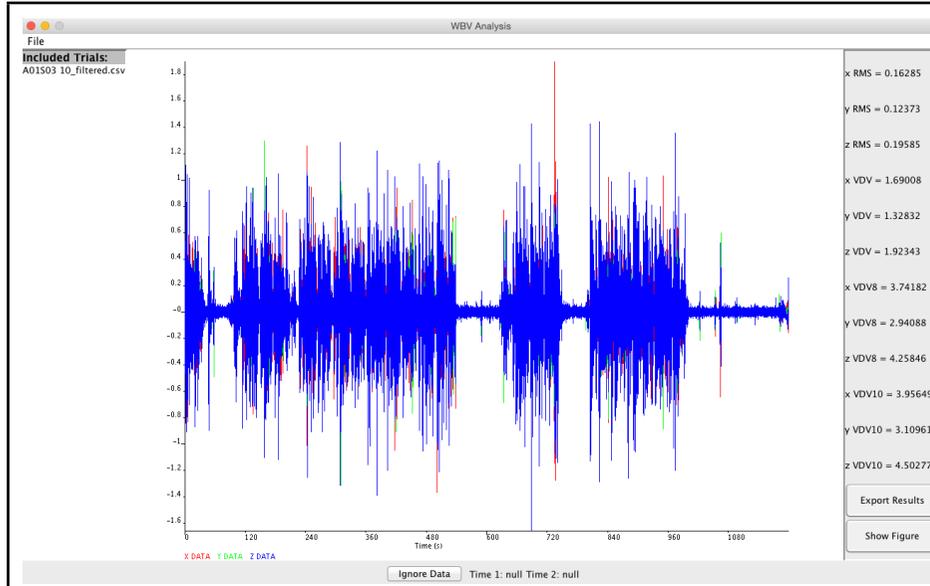


Select "File:Add Trial" to select first sample for analysis



Navigate to the appropriate folder and open the filtered.csv data file

WBVAnalysis Manual v1

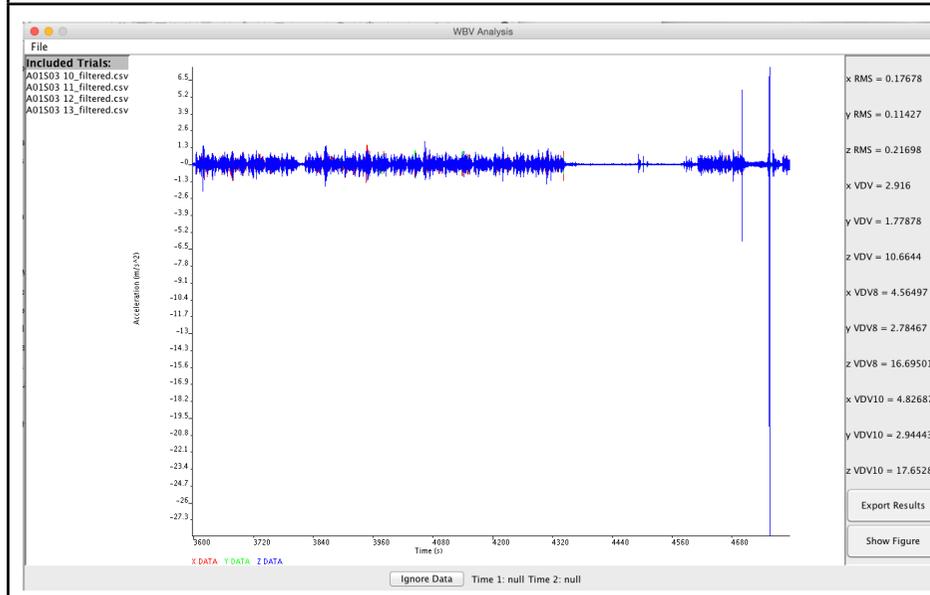


The selected time series is displayed (X, Y & Z accelerations in different colours).

Inspect the data to determine whether any artifacts are evident.

If not, open the next sample in the trial.

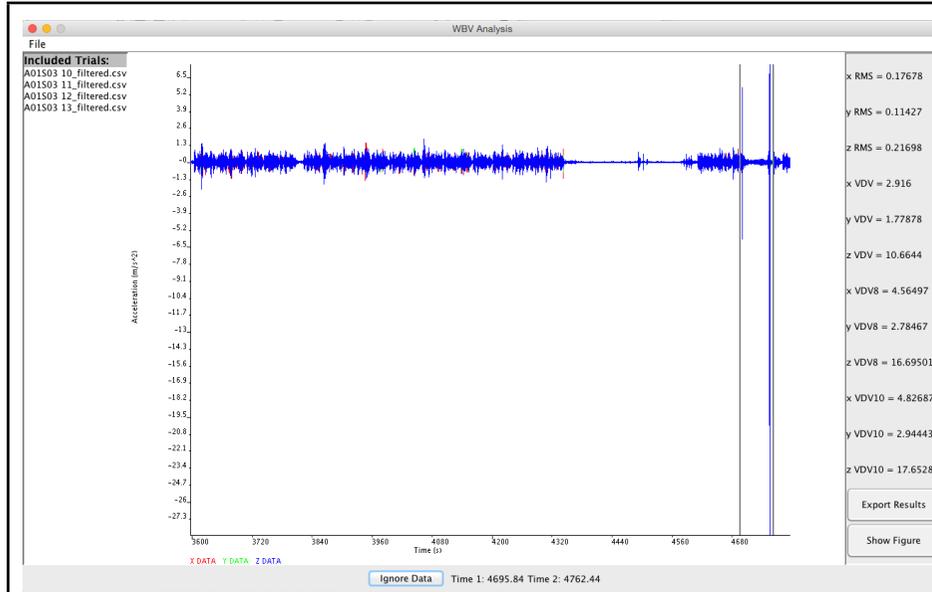
Each sample is displayed individually for inspection. The RMS and VDV measures for the sum of the samples opened is calculated and displayed in the right panel of the screen.



Note that the y axis scale changes with each sample opened and displayed.

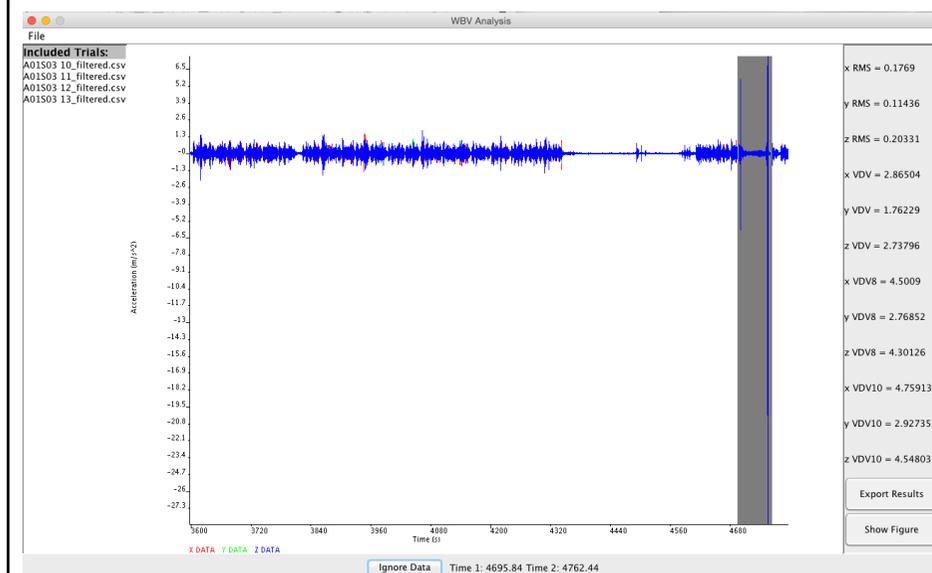
If an sample is found to have movement related artifacts, these can be removed from the calculations.

WBVAnalysis Manual v1



Use the mouse and click to select the start and end points of data exclusion. Clicking beyond either end of the x axis will select the beginning or end of the time series.

Adjust the selection if necessary by clicking again.

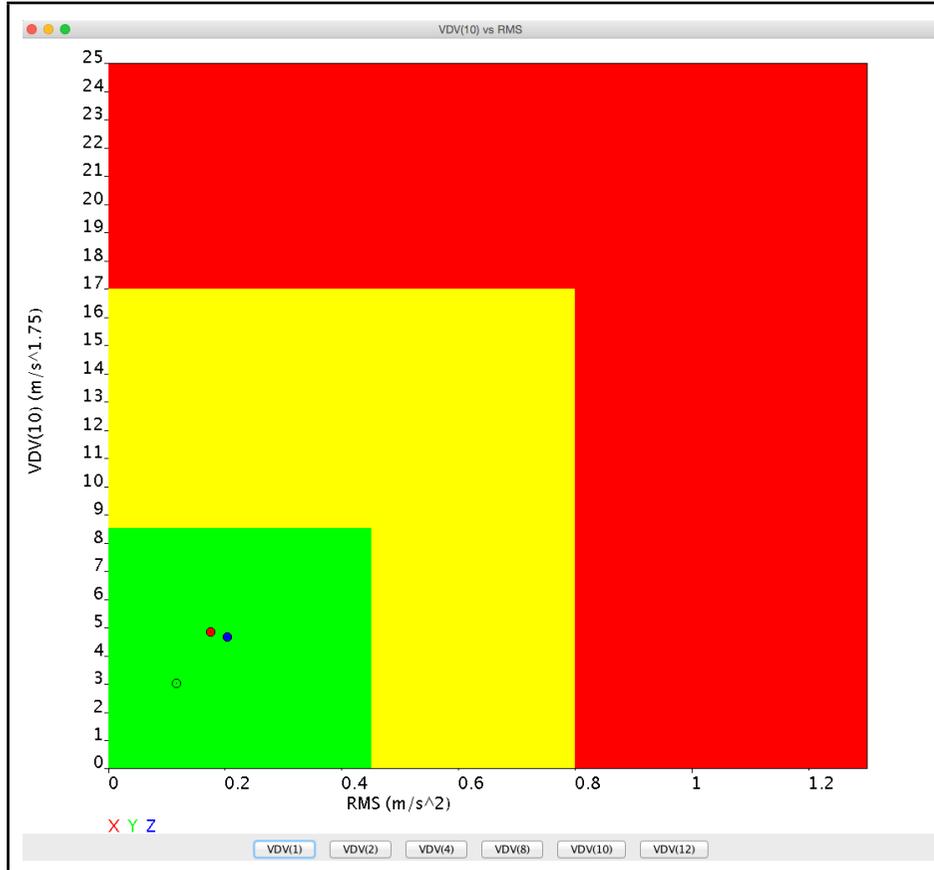


Selecting “Ignore data” will bring up an grey bar indicating the data to be excluded, and the RMS and VDV calculations are updated.

The process can be repeated to select multiple sections of the sample for exclusion.

The exclusion can be undone by clicking anywhere in the grey bar, *however once the next sample is opened, it is not possible to return to a previous sample to make changes.*

Selecting the “Export Results” button will export both the summary RMS and VDV data in one .csv file (filename_Results.csv), as well as a second .csv file (filename_Data.csv) which contains all the filtered accelerometer data included in the trial. The files will be created in the directory in which the java application is located.



Selecting the "Show Figure" data provides a VDV vs RMS figure for the collated trial. The scale is adjusted by dragging the window corner. The calculations of VDV and location of HGCA for RMS are altered by selecting VDV(1) to VDV(12) for 1 to 12 hour exposures respectively.

Take a screen shot to capture this figure if desired.