README File

This README file explains the nature and purpose of all files contained within the online archive that accompanies the paper entitled ‘Neurophysiological markers discriminate different forms of motor imagery during action observation’ published in Cortex. To use this file, please first download all files in the archive, at which point the file names for all files will become visible. If you require any information in addition to that which is provided in the table below, please contact the corresponding author (Dr David Wright) by emailing: [d.j.wright@mmu.ac.uk](mailto:d.j.wright@mmu.ac.uk).

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| File name | Description |
| ACTION.avi | This is the video file that was used as the experimental stimuli for the Action Observation (AO), Congruent Action Observation and Motor Imagery (AO+MICONG), Coordinative Action Observation and Motor Imagery (AO+MICOOR), and Conflicting Action Observation and Motor Imagery (AO+MICONF) conditions in the experiment. During the experiment this file was played through DMDX software via the .rtf script files below. |
| STATIC.avi | This is the video file that was used as the experimental stimuli for the Human Baseline (BLH) condition in the experiment. During the experiment this file was played using DMDX software via the .rtf script files below. |
| FIXATION.avi | This is the video file that was used as the experimental stimuli for the Non-Human Baseline (BLNH) condition in the experiment. During the experiment this file was played using DMDX software via the .rtf script files below. |
| AOMI States.S2C | This is the configuration file that was run through Spike2 software to record EMG data during the experiment. |
| FC.pls | This is the sequencer file that was run through Spike2 software to mark video onset onto the EMG trace and trigger the stimulation for the BLNH condition. |
| Static.pls | This is the sequencer file that was run through Spike2 software to mark video onset onto the EMG trace and trigger the stimulation for the BLH condition. |
| AO.pls | This is the sequencer file that was run through Spike2 software to mark video onset onto the EMG trace and trigger the stimulation for the BLNH condition. |
| AOMI Conflict.pls | This is the sequencer file that was run through Spike2 software to mark video onset onto the EMG trace and trigger the stimulation for the AO+MICONF condition. |
| AOMI Cong.pls | This is the sequencer file that was run through Spike2 software to mark video onset onto the EMG trace and trigger the stimulation for the AO+MICONG condition. |
| AOMI Co-ord.pls | This is the sequencer file that was run through Spike2 software to mark video onset onto the EMG trace and trigger the stimulation for the AO+MICOOR condition. |
| MEP Analysis Script.s2s | This is the script file that was run through Spike2 software to extract motor evoked potential amplitudes from the raw EMG trace. |
| AO.rtf | This is the script file that was run through DMDX software to display the AO experimental stimuli. |
| AOMI-conf.rtf | This is the script file that was run through DMDX software to display the AO+MICONF experimental stimuli. |
| AOMI-cong.rtf | This is the script file that was run through DMDX software to display the AO+MICONG experimental stimuli. |
| AOMI-coord.rtf | This is the script file that was run through DMDX software to display the AO+MICOOR experimental stimuli. |
| FIXATION.rtf | This is the script file that was run through DMDX software to display the BLNH experimental stimuli. |
| STATIC.rtf | This is the script file that was run through DMDX software to display the BLH experimental stimuli. |