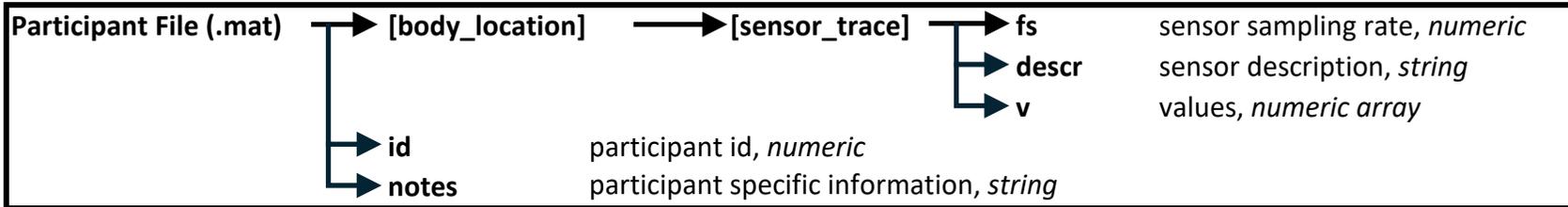
# WildPPG data file structure

| Participant File (.mat) | → [body_location] | → [sensor_trace] | → fs | sensor sampling rate, *numeric* |
|---|---|---|---|---|
| | | | → descr | sensor description, *string* |
| | | | → v | values, *numeric array* |
| | → id | participant id, *numeric* | | |
| | → notes | participant specific information, *string* | | |

## available values

| [body_location] | head | | | |
|---|---|---|---|---|
| | ankle | | | |
| | sternum | | | |
| | wrist | | | |
| | | | | |
| [sensor_trace] | acc_x | accelerometer X-Axis | fs=128 Hz | |
| | acc_y | accelerometer Y-Axis | fs=128 Hz | |
| | acc_z | accelerometer Z-Axis | fs=128 Hz | |
| | altitude | barometric altitude | fs=0.5 Hz | 8-second sliding window |
| | temperature | in-device temperature | fs=0.5 Hz | 8-second sliding window |
| | ppg_g | green PPG | fs=128 Hz | |
| | ppg_ir | infrared PPG | fs=128 Hz | |
| | ppg_r | red PPG | fs=128 Hz | |
| | ecg | lead I ECG, sternum only | fs=128 Hz | |

# recordings overview

| participant | board | recording | comment |
|---|---|---|---|
| an0 | chest | 12.3 h | |
| | head | 12.3 h | |
| | ankle | 12.3 h | recording interruption of 15 seconds, due to defective battery contact |
| | wrist | 12.3 h | |
| e61 | chest | 12.4 h | |
| | head | 12.4 h | |
| | ankle | 12.4 h | |
| | wrist | 12.4 h | |
| fex | chest | 13.4 h | noisy ECG due to electrode issues |
| | head | 13.4 h | |
| | ankle | 13.4 h | |
| | wrist | 13.4 h | |
| k2s | chest | 15.2 h | |
| | head | 15.2 h | |
| | ankle | 15.2 h | |
| | wrist | 15.2 h | recording interruption of 53 minutes, due to defective battery contact |
| kjd | chest | 13.4 h | noisy ECG due to electrode issues |
| | head | 13.4 h | |
| | ankle | 13.4 h | |
| | wrist | 13.4 h | |
| l38 | chest | 13.3 h | |
| | head | 13.3 h | |
| | ankle | 13.3 h | |
| | wrist | 13.3 h | recording interruption of 27 minutes, due to defective battery contact |
| n31 | chest | 13.2 h | |
| | head | 13.2 h | |
| | ankle | 13.2 h | |
| | wrist | 13.2 h | |
| ngh | chest | 14.7 h | |
| | head | 14.7 h | |
| | ankle | 14.7 h | |
| | wrist | 14.7 h | |
| p5d | chest | 14.5 h | noisy ECG due to electrode issues |
| | head | 14.5 h | |
| | ankle | 14.5 h | |
| | wrist | 14.5 h | |
| n9p | chest | 12.5 h | |
| | head | 12.5 h | |

| | | | |
|---|---|---|---|
| p9p | ankle | 12.5 h | |
| | wrist | 12.5 h | |
| qm9 | chest | 13.2 h | |
| | head | 13.2 h | |
| | ankle | 13.2 h | |
| | wrist | 13.2 h | |
| ssx | chest | 12.7 h | |
| | head | 12.7 h | |
| | ankle | 12.7 h | |
| | wrist | 12.7 h | |
| trh | chest | 14.4 h | |
| | head | 14.4 h | |
| | ankle | 14.4 h | |
| | wrist | 14.4 h | |
| tz8 | chest | 14.5 h | |
| | head | 14.5 h | |
| | ankle | 14.5 h | |
| | wrist | 14.5 h | |
| u7y | chest | 13.3 h | |
| | head | 13.3 h | |
| | ankle | 13.3 h | |
| | wrist | 13.3 h | |
| w4p | chest | 13.9 h | |
| | head | 13.9 h | |
| | ankle | 13.9 h | |
| | wrist | 13.9 h | |
| total | 64 | 867.2 h | |