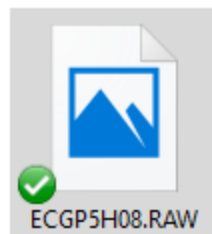The *matlab_readers* folder present in the git has 3 readers, one for each module, and 3 folders, where the files that are created by the modules should be copied.

Reader_ACC_SD.m is responsible for read the files that come from the smallest module, the one that can be placed in the limbs. The Reader_ECG_SD.m reads the files from the board that should be placed in the chest; this board also has inputs to read data from 2 others 3-axis analogic accelerometers, the user just have to connect them to the board. The last script is responsible to read the files generated by the EOG module.

ECGP5H08.RAW

For each file, the first 3 letters identify the module (EOG, ECG or ACC). The number after the *P* identify the patient number, it starts from 1 if no files are found in the uSD card and goes up to 9. If there are files from 9 different patients, the patient number 1 is always overwrite. The last 2 numbers after the *H* represent the hour that the data was acquired, creating a logical sequence.

Opening the scripts, the user must change variables "*paciente*" (changing between the P number) and *"hora"* (changing the H number) to read different files.

The reader also displays an error message if there is a second of information damaged.