6.3.1 Creating a "Real Time" Start Times Table

For IBI files where there is a lab calibration, it is necessary to annotate within that file where the particular phases of the protocol lie, in order to define which data will be used in the derivation of the calibration parameters (i.e. slope and intercept for each participant) and where the rest test occurs for example.

It is possible to manually annotate files once loaded into the academic software. However, if the information about the real time start of the rest and exercise phase begins, and the duration of the exercise test exists already in electronic format, it can be loaded in (alongside the exported .csv files of raw data). The academic software will use this information for the volunteer and apply this to the IBI file. This will mean that the file will be automatically annotated and will only require the user to view that these have been entered correctly and tweak the specific regions where necessary. Note: Duration of rest phase and Duration of recovery phase will be defined in the study profile as these are usually standard per protocol. They may however also be edited on a file-by-file basis.

The "Real start time" of a particular protocol should be known and have been recorded on the measurement questionnaire at the time of test.

- Create start-times table (ID Number, Rest start, Test start [both in a 24hr clock format], Treadmill duration [in seconds]). If this information does not exist, they will have to be manually set in the software during the aligning and phase annotation stage.

- See image below for formatting example. The column header labels should be EXACTLY as displayed below, otherwise it will not be possible to load the file.

- Save file as .csv file.

FullID	StartRest	StartTest	TestLength
101260P	12:19:00	12:28:00	720
101848D	10:17:00	10:27:45	900
102914M	12:14:00	12:25:00	600
103318B	10:40:55	10:51:00	780
103339Z	10:26:45	10:37:30	720
103908S	12:21:00	12:30:00	900

NB: This information will also be used if there is associated oxygen consumption (Jaeger) data for that ID number, as this will ensure that the O2 files are placed at the appropriate "real-time" to align with the combined HR & Movement data.