A subjective evaluation was carried out of a standard computer mouse (Lourenço et al., 2015), with 20 subjects (10 female and 10 male), while performing pointing, dragging and steering tasks in accordance with previous studies (Odell & Johnston, 2007; Houwink et al., 2009).

Subjects were given 3 scales, each one composed of several items: discomfort, ease of use and effort. Ratings were provided in 6-point Likert scales completed by the subjects.

The session lasted between 10 and 12 minutes, depending on the duration of pauses the subject chose to undertake between tasks.

Additionally, errors and time to complete tasks were automatically recorded by a purpose built software. Subjective and objective measures related to usability are correlated in support of internal validation of the scales used.

Efficiency and efficacy, calculated based on automatic data for several tasks are associated with subjective effort, discomfort and ease of use.

Spearman rank order correlation ($\rho < 0.05$): efficiency of pointing large – forearm discomfort: 0.53 efficiency of pointing medium – forearm discomfort: 0.49 efficiency of steering – forearm discomfort: 0.50 efficiency of dragging middle – forearm discomfort: 0.52 efficiency of dragging middle – shoulder discomfort: 0.52 efficiency of dragging middle – overall ease of use: 0.46 efficiency of dragging left – mouse controlling effort: 0.50