

Raw Data Handling

Each 'Experiment' is composed of a number of 300 or 600 frame long videos, recorded over typically a 1 hour time frame. All files are of each experiment at combined to give an overall data set.

Frame rate: 23 fps

Microns/pixel: 0.16 (100x objective)

Videos contain individual frames/images which are 512 x 512 pixels

File name example: QD-AP no fuel 01_X (01 = experiment 1 and X video number in series).

Missing files in the number series below arise due to errors in tracking program.

Open file through excel, selecting 'open' change to 'all files' on drop down menu.

Columns: x coordinates, y coordinates, brightness, gyration, eccentricity, A_{major} , A_{minor} , frame number and particle identification number.