

10 Supplementary information

Supplementary movie captions are provided in this section.

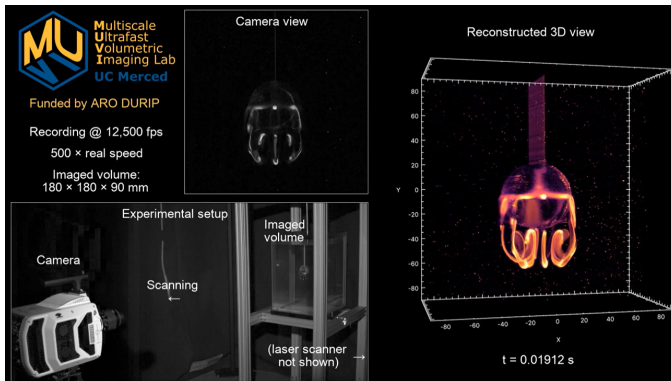


Fig. 14 Supplementary Movie S1. A movie displaying the experimental set up, the frames captured by the camera, and the reconstructed volumes.

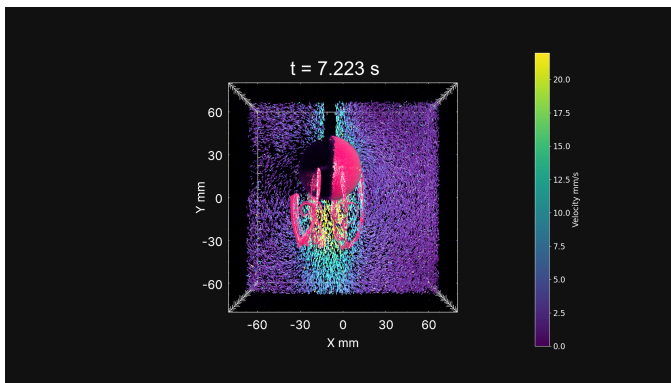


Fig. 15 Supplementary Movie S2. A movie of raw data of an isosurface of fluorescent dye overlaid with the PTV velocity field. Measurements are taken at $Re = 400$.

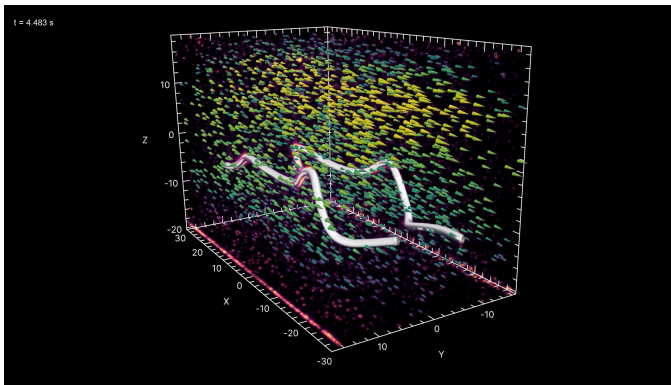


Fig. 16 Supplementary Movie S3.A movie of the vortex line tracking of the dye superimposed with PTV tracks for vortices in a pipe flow.