Figure NEW. Effective gravity

A) Side view of an arena contained within a transparent plastic tube. The flies were constrained to the volume indicated by the red rectangle, between a cellophane disc (retained by two black o-rings visible in the picture) and a semi-solid culture medium (off-white material at bottom of tube). B) Effective gravity acting on water within the 0g* tube. The colour indicates the magnitude of the effective gravity (ms^-2). Arrows show the magnitude and direction of the effective gravity. The residual gravity on the flies (within the red rectangle) is less than 5x10^-2 g. C) Effective gravity acting on water on the solenoid axis, Γ, as a function of vertical position, z. The centre of the solenoid is at z = 0 mm. The arenas were placed between the pairs of horizontal red lines shown on the plot.