



Figure 5 – Figure Supplement 2. Measurement of spikes relative to pupil phase. Schematic of a pupil trace from a single trial showing principal phases (left; 0°, 90°, 180°, and 270°). One analyzed cycle is shown in bold with the time for phase=90° indicated as t_{90} . LC and ACC spikes were counted in 500 ms bins in a 1.5 s window (indicated by the horizontal line above) and used to calculate the LC PETH and ACC r_{sc} relative to this phase (and similarly for all phases between 0° and 360°, in 15° steps).