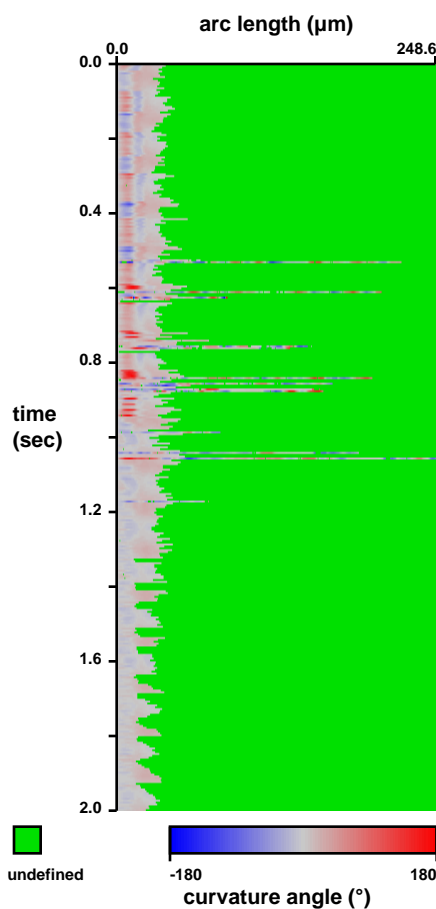
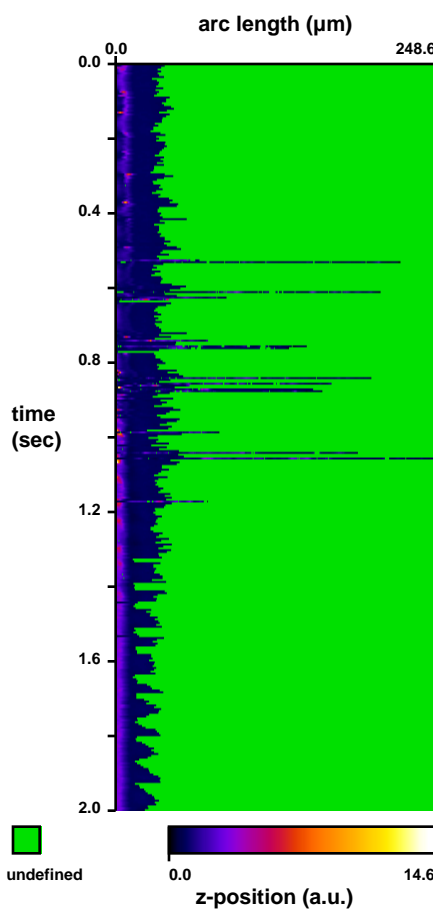
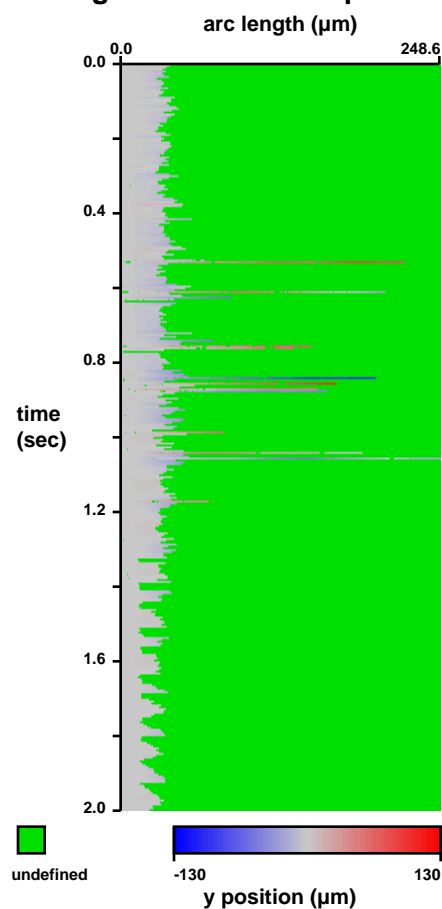


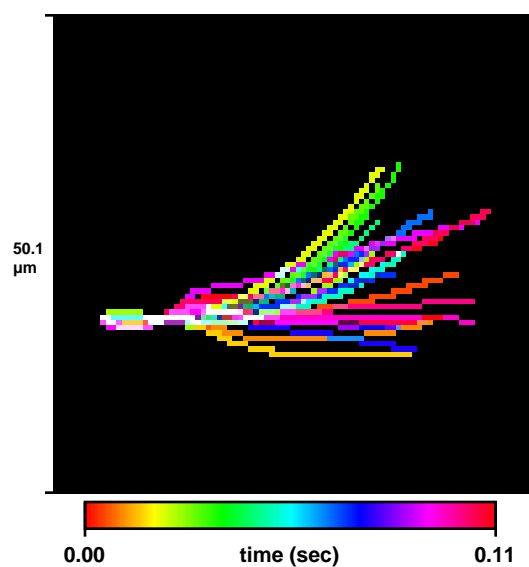
(A) Local bending



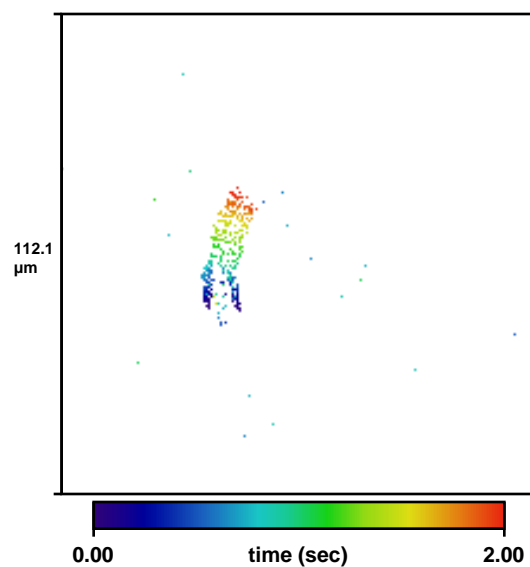
(B) Relative z-position

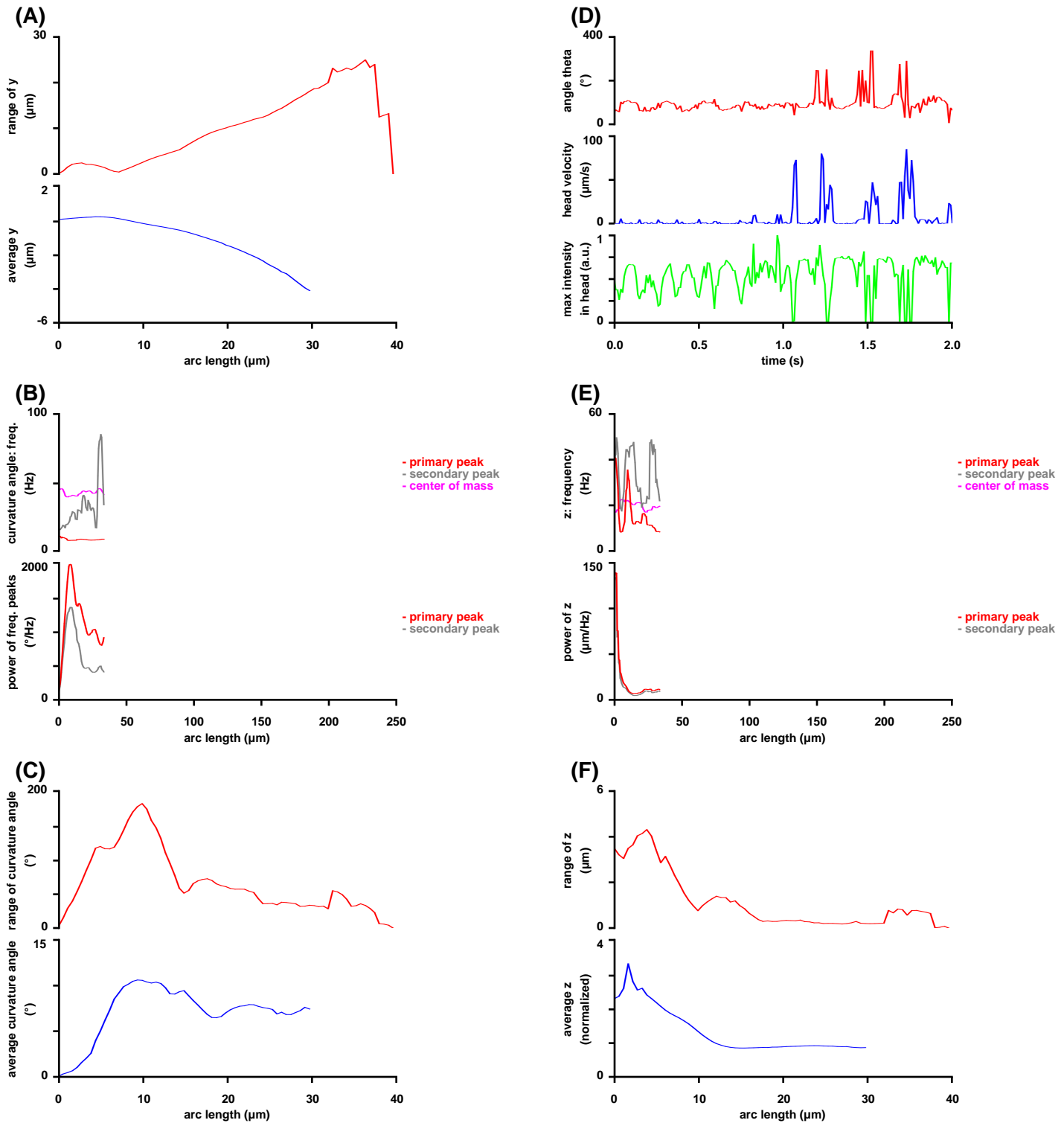
(C) Flagellar position
orthogonal to head-midpiece axis

(D) Overlay of one beat cycle



(E) Head position in space





(A) upper panel: beat amplitude compared to head-midpiece axis, bottom panel: asymmetry compared to head-midpiece axis

(B) local beat frequency

(C) upper panel: local bending amplitude, bottom panel: local bending asymmetry

(D) upper panel: orientation of head-midpiece axis in space, middle panel: velocity of head in space, bottom panel: rolling

(E) local beat frequency in z

(F) upper panel: beat amplitude in z, bottom panel: asymmetry in z