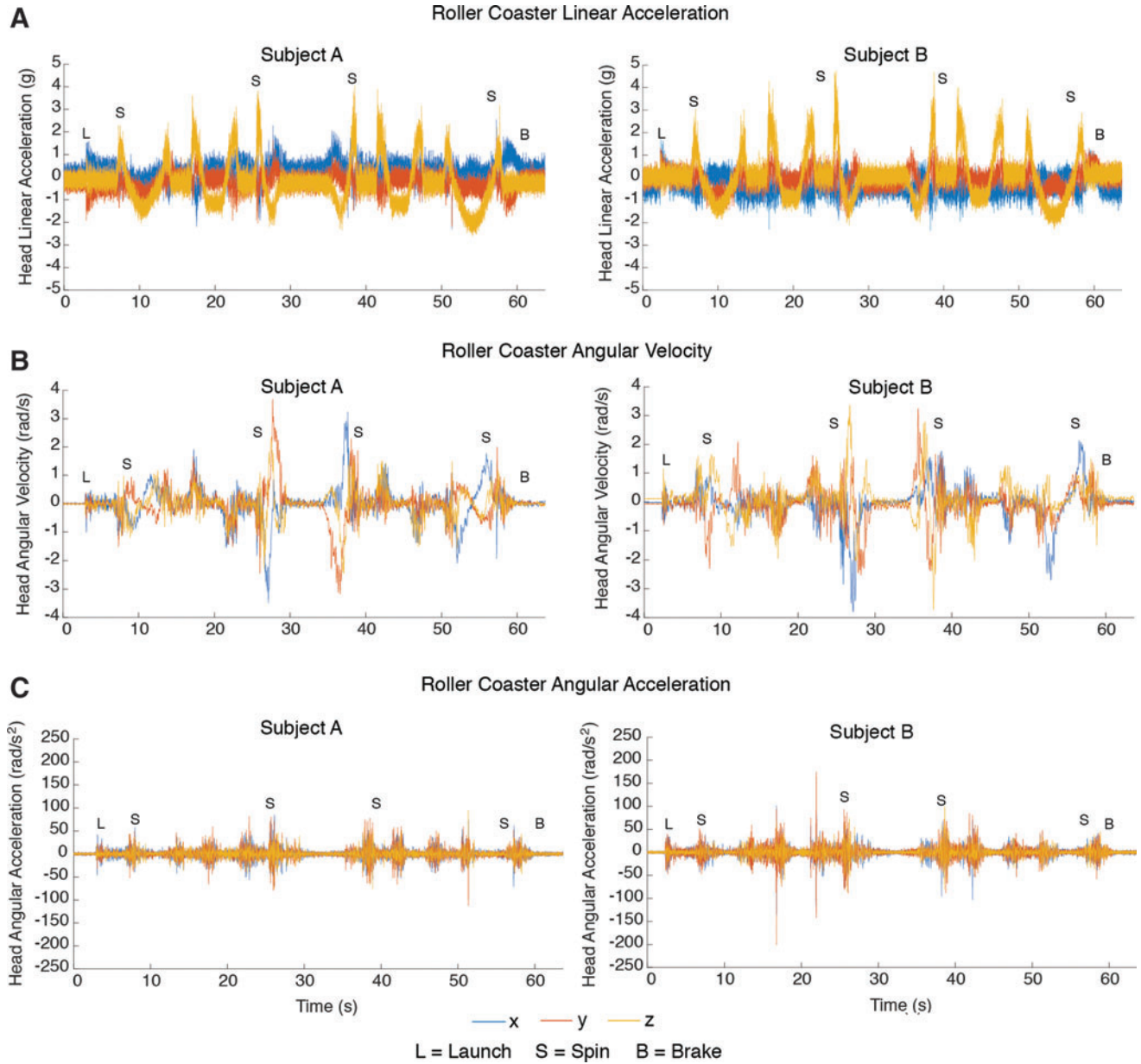


Supplementary Data



SUPPLEMENTARY FIG. S1. Representative kinematic traces from ride 3 for both subjects. **(A)** Triaxial linear accelerations, **(B)** triaxial angular velocities, and **(C)** triaxial angular accelerations obtained through differentiation demonstrate that both subjects experienced comparable, yet not identical, kinematics when participating in the same roller coaster ride.