squats1\_marker\_errors.csv (right leg) squats1\_marker\_errors.csv (left leg) C7 .ASIS .PSIS 10 10 10 --- RMSE = 3.29 cm - RMSE = 1.70 cm --- RMSE = 1.40 cm error (cm) error (cm) error (cm) 0.0 0.0 0.0 5.0 10.0 5.0 10.0 10.0 time (s) time (s) time (s) \_HJC 5meta \_HJC\_reg 10 10 10 **---** RMSE = 1.60 cm --- RMSE = 1.13 cm --- RMSE = 0.00 cm RMSE = 0.67 cmRMSE = 0.00 cmerror (cm) error (cm) error (cm) 6 4 0.0 0.0 10.0 5.0 10.0 time (s) time (s) time (s) \_Shoulder \_Sternum \_ankle 10 10 10 --- RMSE = 1.68 cm --- RMSE = 0.86 cm RMSE = 1.75 cm8 RMSE = 2.36 cmRMSE = 2.47 cmerror (cm) error (cm) error (cm) 0.0 0.0 10.0 10.0 10.0 time (s) time (s) time (s) \_elbow\_lat \_elbow\_med \_calc 10 10 10 --- RMSE = 3.06 cm --- RMSE = 2.20 cm --- RMSE = 1.40 cm 8 RMSE = 1.05 cm8 RMSE = 1.94 cmerror (cm) error (cm) error (cm) 0.0 10.0 10.0 5.0 10.0 time (s) time (s) time (s) forearm humerus knee 10 10 10 RMSE = 0.00 cm**---** RMSE = 0.00 cm **---** RMSE = 2.28 cm 8 RMSE = 0.00 cm8 RMSE = 0.00 cm8 error (cm) error (cm) error (cm) 6 6 0.0 0.0 10.0 5.0 10.0 10.0

time (s)

time (s)

time (s)

squats1\_marker\_errors.csv (right leg) squats1\_marker\_errors.csv (left leg) \_sh3 \_sh2 \_shank\_antsup 10 10 10 --- RMSE = 0.73 cm --- RMSE = 0.64 cm **---** RMSE = 0.78 cm error (cm) error (cm) error (cm) 6 0.0 0.0 0.0 5.0 10.0 5.0 10.0 5.0 10.0 time (s) time (s) time (s) \_thigh1 \_thigh2 \_thigh3 10 10 10 --- RMSE = 1.29 cm --- RMSE = 1.22 cm --- RMSE = 1.25 cm error (cm) error (cm) error (cm) 6 0.0 0.0 10.0 10.0 10.0 0.0 time (s) time (s) time (s) thigh4 \_wrist\_radius \_toe 10 10 10 **---** RMSE = 1.09 cm **---** RMSE = 0.85 cm **---** RMSE = 0.35 cm 8 RMSE = 0.61 cmerror (cm) error (cm) error (cm) 10.0 10.0 5.0 10.0 time (s) time (s) time (s) r.ASIS r.PSIS \_wrist\_ulna 10 10 10 RMSE = 0.35 cmRMSE = 1.17 cm8 RMSE = 0.72 cm8 error (cm) error (cm) error (cm) 0.0 10.0 10.0 10.0 time (s) time (s) time (s) r 5meta r ankle r\_calc 10 10 10 RMSE = 1.63 cmRMSE = 1.13 cmRMSE = 2.67 cm8 8 8 error (cm) error (cm) error (cm) 6 6 0.0 0.0 5.0 10.0 5.0 10.0 10.0

time (s)

time (s)

time (s)

squats1\_marker\_errors.csv (right leg)squats1\_marker\_errors.csv (left leg)

