squats1\_marker\_errors.csv (right leg) squats1\_marker\_errors.csv (left leg) C7 .ASIS .PSIS 10 10 10 --- RMSE = 2.43 cm - RMSE = 2.56 cm --- RMSE = 0.94 cm error (cm) error (cm) error (cm) 6 0.0 0.0 0.0 10.0 10.0 5.0 10.0 time (s) time (s) time (s) \_HJC \_HJC\_reg 5meta 10 10 10 **---** RMSE = 0.65 cm **---** RMSE = 0.77 cm --- RMSE = 0.00 cm RMSE = 0.90 cmRMSE = 0.00 cm error (cm) error (cm) error (cm) 6 4 0.0 0.0 10.0 10.0 5.0 10.0 time (s) time (s) time (s) Shoulder \_Sternum \_ankle 10 10 10 --- RMSE = 1.10 cm RMSE = 1.74 cm**---** RMSE = 2.20 cm 8 8 RMSE = 1.46 cmRMSE = 2.45 cmerror (cm) error (cm) error (cm) 0.0 10.0 10.0 10.0 time (s) time (s) time (s) \_elbow\_lat \_elbow\_med \_calc 10 10 10 **---** RMSE = 1.74 cm --- RMSE = 2.11 cm **---** RMSE = 1.01 cm 8 RMSE = 1.50 cm8 RMSE = 1.65 cmerror (cm) error (cm) error (cm) 0.0 0.0 10.0 10.0 10.0 time (s) time (s) time (s) forearm humerus knee 10 10 10 **---** RMSE = 0.00 cm **---** RMSE = 0.00 cm **---** RMSE = 2.68 cm 8 RMSE = 0.00 cm8 RMSE = 0.00 cm8 error (cm) error (cm) error (cm) 6 6 6 0.0 0.0 5.0 5.0 10.0

time (s)

time (s)

time (s)

squats1\_marker\_errors.csv (right leg) squats1\_marker\_errors.csv (left leg) \_sh2 sh3 \_shank\_antsup 10 10 10 --- RMSE = 1.77 cm --- RMSE = 1.26 cm --- RMSE = 1.06 cm 8 error (cm) error (cm) error (cm) 6 0.0 0.0 0.0 10.0 10.0 10.0 time (s) time (s) time (s) \_thigh1 \_thigh2 thigh3 10 10 10 **---** RMSE = 0.80 cm --- RMSE = 0.65 cm --- RMSE = 0.77 cm error (cm) error (cm) error (cm) 6 10.0 10.0 10.0 time (s) time (s) time (s) thigh4 \_wrist\_radius toe 10 10 10 **---** RMSE = 1.00 cm **---** RMSE = 0.75 cm **---** RMSE = 0.40 cm 8 RMSE = 0.70 cmerror (cm) error (cm) error (cm) 10.0 10.0 10.0 5.0 time (s) time (s) time (s) r.ASIS r.PSIS \_wrist\_ulna 10 10 10 **---** RMSE = 0.69 cm RMSE = 2.31 cmRMSE = 0.75 cm8 8 RMSE = 0.74 cm8 error (cm) error (cm) error (cm) 0.0 0.0 10.0 10.0 10.0 time (s) time (s) time (s) r 5meta r ankle r\_calc 10 10 10 RMSE = 0.54 cmRMSE = 1.47 cmRMSE = 2.33 cm8 8 8 error (cm) error (cm) error (cm) 6 6 6 2

0.0

5.0

time (s)

10.0

time (s)

10.0

time (s)

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

