walking1\_marker\_errors.csv (right leg) walking1\_marker\_errors.csv (left leg) **C7** .ASIS .PSIS 10 10 10 RMSE = 4.45 cm--- RMSE = 2.85 cm --- RMSE = 1.31 cm error (cm) error (cm) error (cm) 0.0 0.0 0.0 0.2 0.8 1.0 0.2 0.8 1.0 0.2 0.8 1.0 time (s) time (s) time (s) \_HJC 5meta \_HJC\_reg 10 10 10 --- RMSE = 0.69 cm --- RMSE = 1.82 cm --- RMSE = 0.00 cm RMSE = 1.74 cmRMSE = 0.00 cmerror (cm) error (cm) error (cm) 6 0.0 0.0 0.0 0.2 0.8 1.0 0.2 0.5 0.8 1.0 0.2 0.5 0.8 time (s) time (s) time (s) Shoulder Sternum \_ankle 10 10 10 RMSE = 2.01 cmRMSE = 2.83 cm--- RMSE = 1.40 cm RMSE = 2.17 cmRMSE = 1.97 cmerror (cm) error (cm) error (cm) 0.0 0.0 0.8 0.2 0.5 1.0 0.2 8.0 1.0 0.2 8.0 1.0 time (s) time (s) time (s) \_elbow\_lat \_elbow\_med \_calc 10 10 10 --- RMSE = 2.14 cm **---** RMSE = 2.66 cm --- RMSE = 2.31 cm 8 RMSE = 2.83 cmRMSE = 3.57 cmerror (cm) error (cm) error (cm) 0.0 0.0 0.2 0.8 1.0 0.2 0.8 1.0 0.2 0.5 0.8 time (s) time (s) time (s) forearm humerus knee 10 10 10 RMSE = 0.00 cmRMSE = 0.00 cm--- RMSE = 3.14 cm 8 RMSE = 0.00 cmRMSE = 0.00 cm8 error (cm) error (cm) error (cm) 6

0.0

0.2

time (s)

1.0

time (s)

0.0

0.2

8.0

time (s)

1.0

walking1\_marker\_errors.csv (right leg) walking1\_marker\_errors.csv (left leg) \_sh2 \_sh3 \_shank\_antsup 10 10 10 --- RMSE = 1.55 cm --- RMSE = 1.08 cm **---** RMSE = 1.56 cm 8 error (cm) error (cm) error (cm) 6 0.0 0.0 0.0 0.2 0.8 1.0 0.2 0.8 1.0 0.2 1.0 time (s) time (s) time (s) \_thigh2 \_thigh1 \_thigh3 10 10 10 --- RMSE = 2.25 cm --- RMSE = 2.03 cm --- RMSE = 1.42 cm error (cm) error (cm) error (cm) 6 0.0 0.0 0.0 0.2 0.8 1.0 0.2 0.5 0.8 1.0 0.2 0.8 1.0 time (s) time (s) time (s) \_thigh4 \_wrist\_radius \_toe 10 10 10 **---** RMSE = 1.19 cm **---** RMSE = 0.70 cm --- RMSE = 4.24 cm 8 RMSE = 5.92 cmerror (cm) error (cm) error (cm) 0.0 0.0 1.0 0.2 0.8 1.0 0.2 0.2 8.0 1.0 0.0 0.5 0.8 time (s) time (s) time (s) r.ASIS r.PSIS \_wrist\_ulna 10 10 10 RMSE = 4.67 cmRMSE = 3.05 cmRMSE = 1.54 cmRMSE = 6.23 cm8 error (cm) error (cm) error (cm) 0.0 0.0 0.2 0.8 1.0 0.2 0.8 1.0 0.8 time (s) time (s) time (s) r 5meta r ankle r\_calc 10 10 10 RMSE = 0.83 cmRMSE = 1.02 cmRMSE = 1.41 cm

8

6

time (s)

error (cm)

8

0.2

0.8

time (s)

1.0

error (cm)

8

0.0

0.2

0.8

time (s)

1.0

error (cm)

walking1\_marker\_errors.csv (right leg)walking1\_marker\_errors.csv (left leg)

