Figure 4: Subjects vs Minutes per Subject - What Matters More? **Analysis of Calibration Data Distribution Strategy** A: Performance Heatmap - Subjects vs Minutes per Subject Subjects 4 -6 -8 -8 -10 -12 -12 of 12 12 14 14 14 16 16 14 -14 -18 -18 -20 -1,285.0 77.85.0 1255.0 1415.0 , 1,155.0 7505.0 Minutes per Subject **C:** Performance vs Minutes per Subject **B: Performance vs Total Data** (Top Performer + Top 3 per 100min bin) (Top Performer + Top 3 per 100h bin) 0.30 0.30 0.25 0.25 0.20 YASA 0.20 0.15 0.15 **^** 0.10 0.10 Δκ 0.05 0.05 0.00 0.00 -0.05-0.05600 1000 2000 800 1200 1500 200 400 1400 1600 1800 1000 2500 3000 **Minutes per Subject Total Hours of Data E: Top Performers by D: Performance vs Number of Subjects** (Top Performer + Top 3 per 3-subject bin) **Subject Count** 0.30 0.30 0.25 0.25 vs YASA 0.20 0.20 0.15 0.15 0.10 0.05 0.05 0.00 0.00 -0.05-0.0545.52 10 40 50 **Number of Subjects Number of Subjects** Top performer ($\Delta \kappa = 0.281$) --- YASA baseline ($\Delta \kappa = 0$) Error Top 3 per bin Target improvement (+0.05) noise.

AK VS YASA

AK VS YASA

0.125

0.100

0.075

0.050

- 0.025

- 0.000

-0.025

-0.050

-0.075