Table 2. Summary statistics for MFK calibration scenarios.

Scenario	Output	n	Average ± SD [°]	95% CI [°]	Difference from static [°]
Static	Yaw	10	0.623 ±0.096	0.554 to 0.692	Reference
Static	Pitch	10	0.367 ±0.106	0.291 to 0.443	Reference
Static	Roll	10	0.529 ±0.072	0.477 to 0.581	Reference
Day – Location A	Yaw	10	–0.251 ±0.042	–0.281 to –0.221	–0.874
Day – Location A	Pitch	10	–0.630 ±0.098	–0.700 to –0.560	–0.997
Day – Location A	Roll	10	–0.308 ±0.086	–0.369 to –0.247	–0.837
Day – Location B	Yaw	10	–0.391 ±0.029	–0.412 to –0.370	–1.014
Day – Location B	Pitch	10	–0.659 ±0.033	–0.682 to –0.636	–1.026
Day – Location B	Roll	10	–0.489 ±0.031	–0.511 to –0.467	–1.018
Day – Location C	Yaw	10	–0.238 ±0.054	–0.277 to –0.199	–0.861
Day – Location C	Pitch	10	–0.634 ±0.046	–0.667 to –0.601	–1.001
Day – Location C	Roll	10	–0.656 ±0.175	–0.781 to –0.531	–1.185
Night – Location A	Yaw	10	–0.348 ±0.112	–0.428 to –0.268	–0.971
Night – Location A	Pitch	10	–0.455 ±0.040	–0.484 to –0.426	–0.822
Night – Location A	Roll	10	–0.519 ±0.102	–0.592 to –0.446	–1.048
Night – Location B	Yaw	10	–0.265 ±0.104	–0.339 to –0.191	–0.888
Night – Location B	Pitch	10	–0.459 ±0.042	–0.489 to –0.429	–0.826
Night – Location B	Roll	10	–0.519 ±0.124	–0.608 to –0.430	–1.048
Night – Location C	Yaw	10	–0.274 ±0.049	–0.309 to –0.239	–0.897
Night – Location C	Pitch	10	–0.543 ±0.040	–0.571 to –0.515	–0.910
Night – Location C	Roll	10	–1.042 ±0.195	–1.182 to –0.902	–1.571

SD denotes sample standard deviation and CI confidence interval. The applicable acceptance intervals were –3.0° to +3.0° for yaw, –3.5° to +2.5° for pitch, and –2.0° to +2.0° for roll.

Table 3. Summary statistics for front radars calibration scenarios.

Scenario	Output	n	Average ±SD [°]	95% CI [°]	Difference from static [°]
Static	NR_1	6	2.230 ±0.371	1.840 to 2.620	Reference
Static	NR_2	6	–1.883 ±0.147	–2.037 to –1.730	Reference
Direct dynamic comparison	NR_1	6	2.462 ±0.099	2.358 to 2.566	+0.232
Direct dynamic comparison	NR_2	6	–3.285 ±0.216	–3.512 to –3.058	–1.402
Location A	NR_1	10	2.749 ±0.232	2.583 to 2.915	+0.519

Location A	NR_2	10	–2.827 ±0.856	–3.439 to –2.215	–0.944
Location B	NR_1	10	2.447 ±0.526	2.071 to 2.823	+0.217
Location B	NR_2	10	–3.466 ±0.525	–3.842 to –3.090	–1.583
Location C	NR_1	10	3.508 ±0.374	3.241 to 3.775	+1.278
Location C	NR_2	10	–2.891 ±0.201	–3.035 to –2.747	–1.008

SD denotes sample standard deviation and CI confidence interval. The direct static-dynamic series comprised six trials per calibration mode. Location-specific series comprised ten trials per location. The applicable radar yaw acceptance interval was –5.0° to +5.0°