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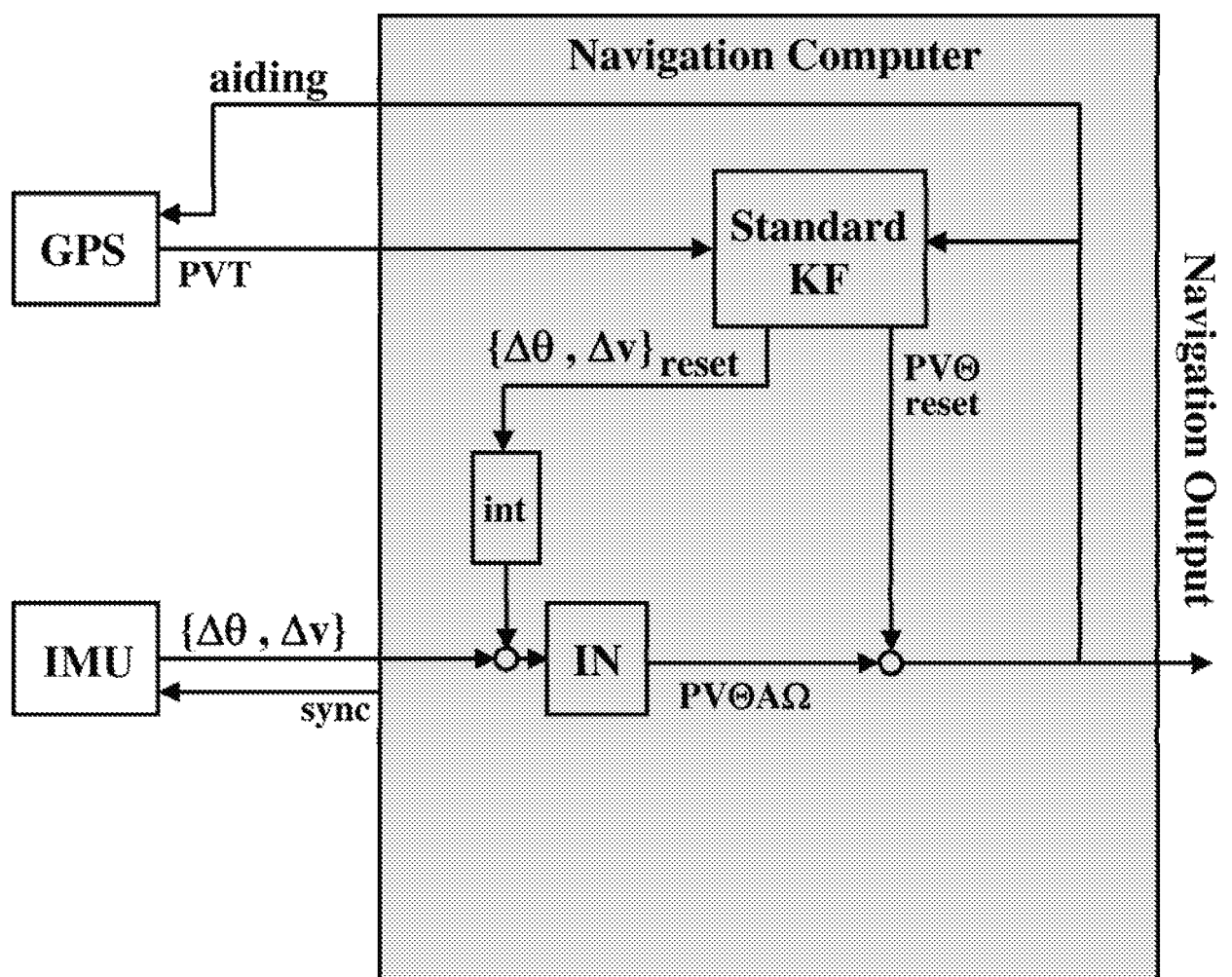


Figure 1: The baseline INS (Prior art)

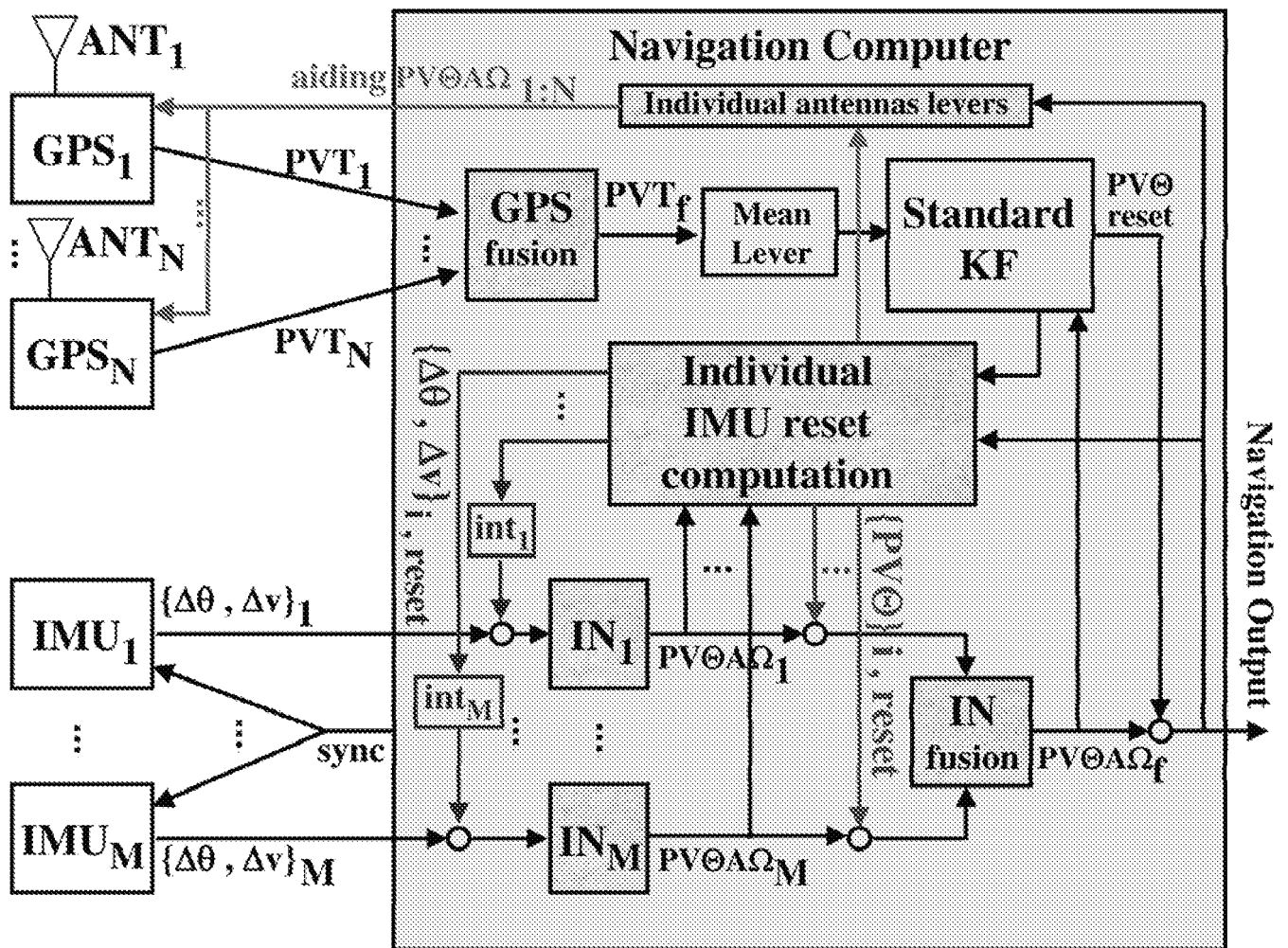


Figure 2: The proposed MANS

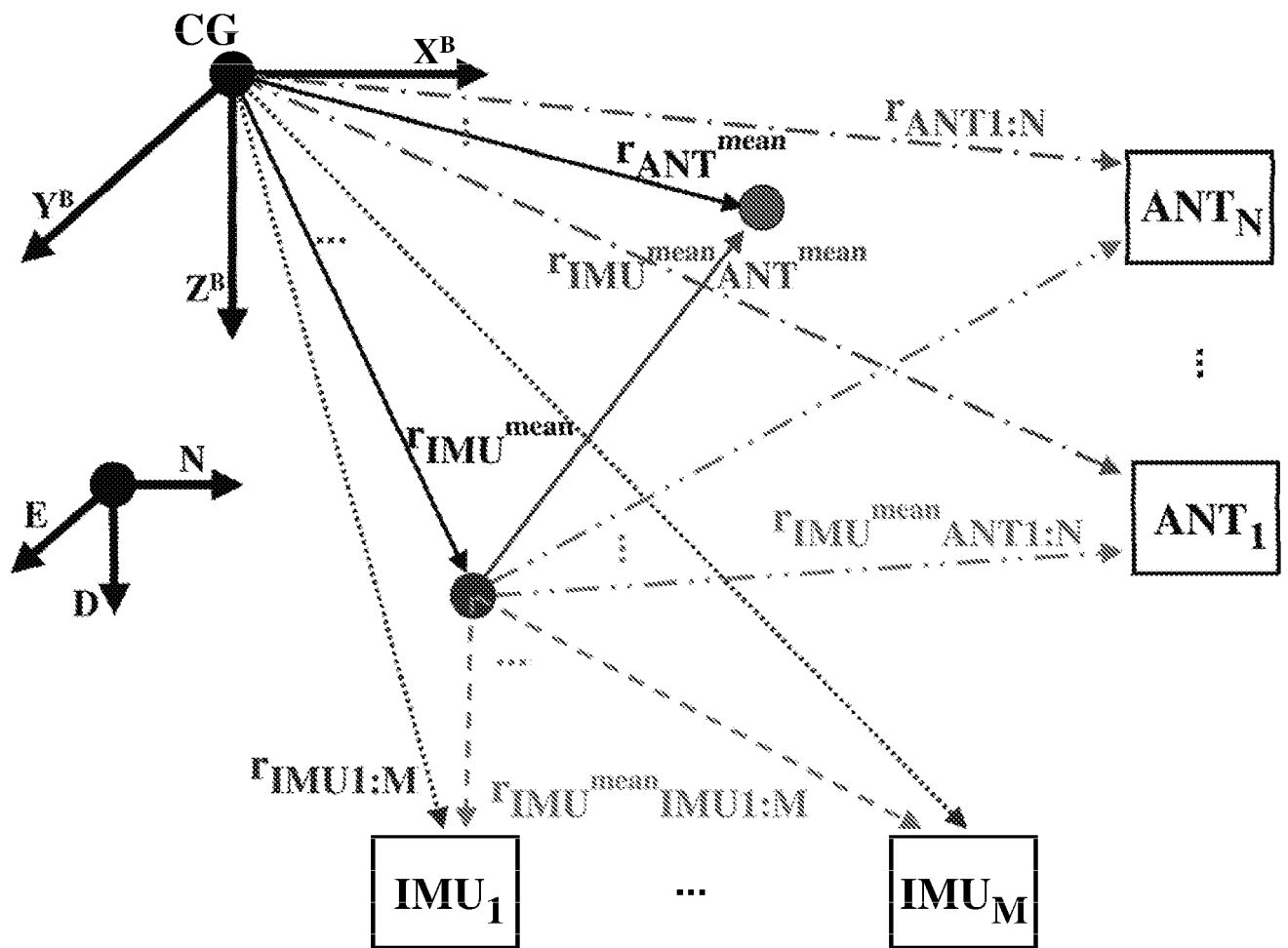


Figure 3: Body locations and vectors (see vectors nomenclature)

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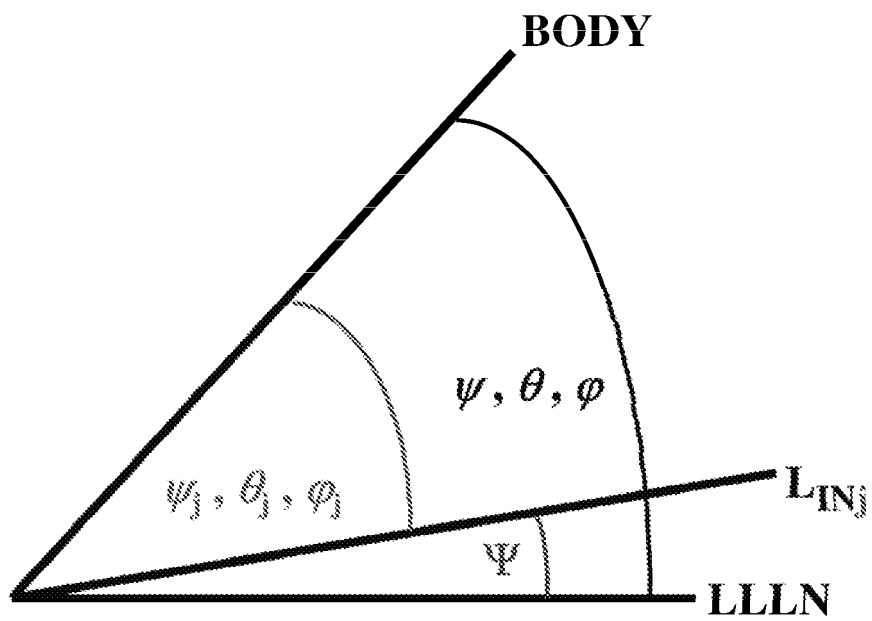


Figure 4: Attitude-outputs and attitude-errors

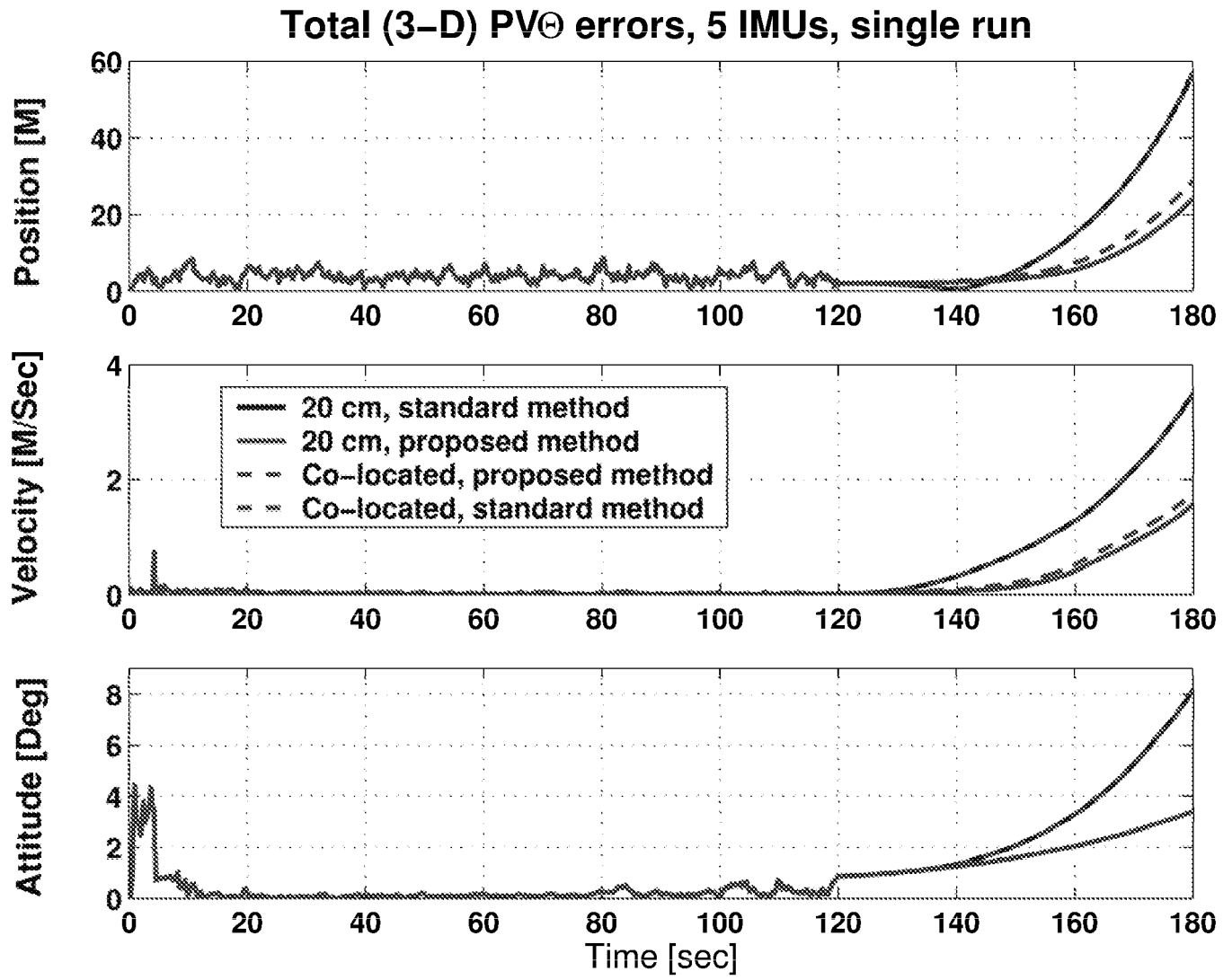


Figure 5: $PV\Theta$ errors, single run, 2 NAV schemes, 2 HW configurations

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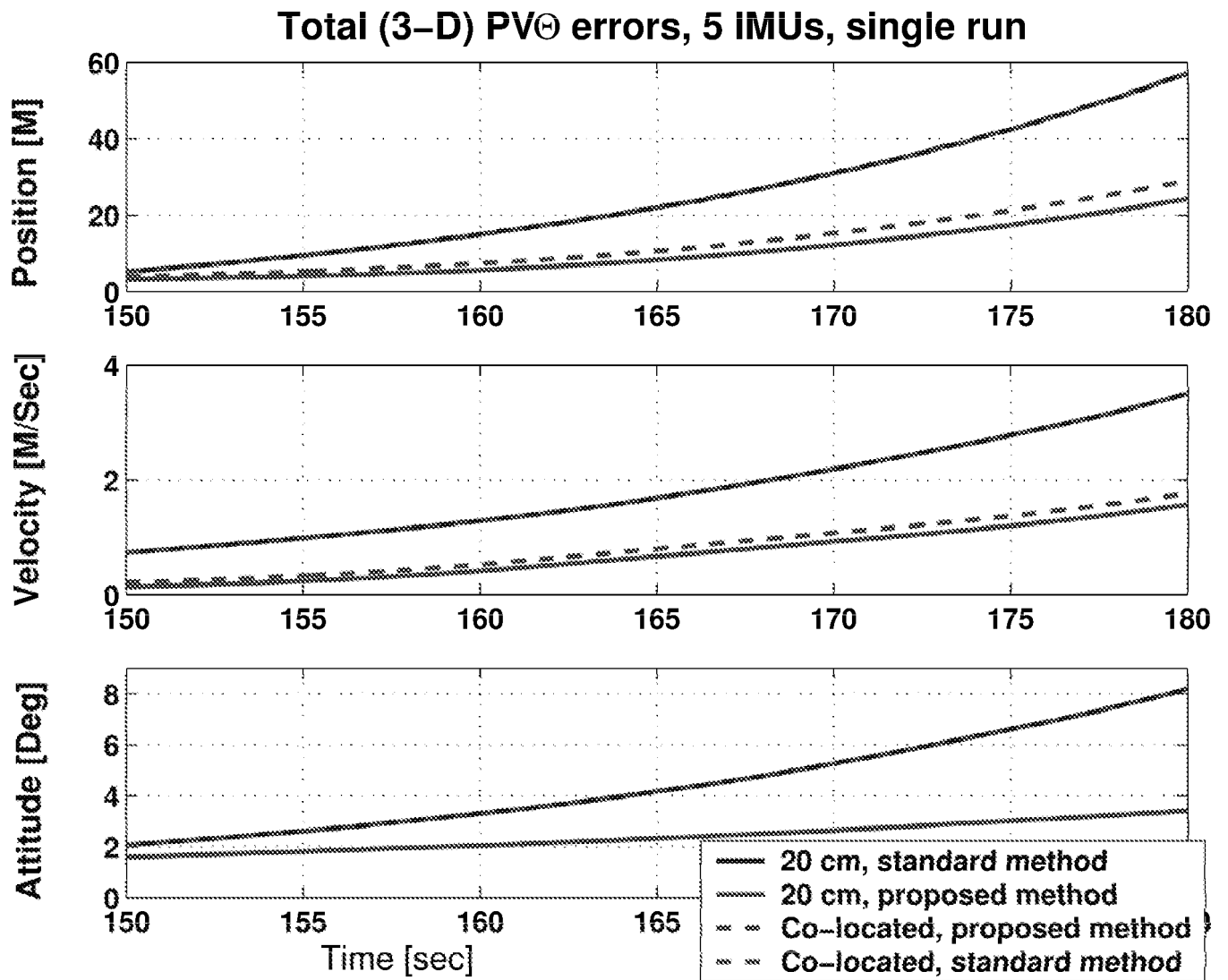


Figure 6: Zoom of Fig. 5

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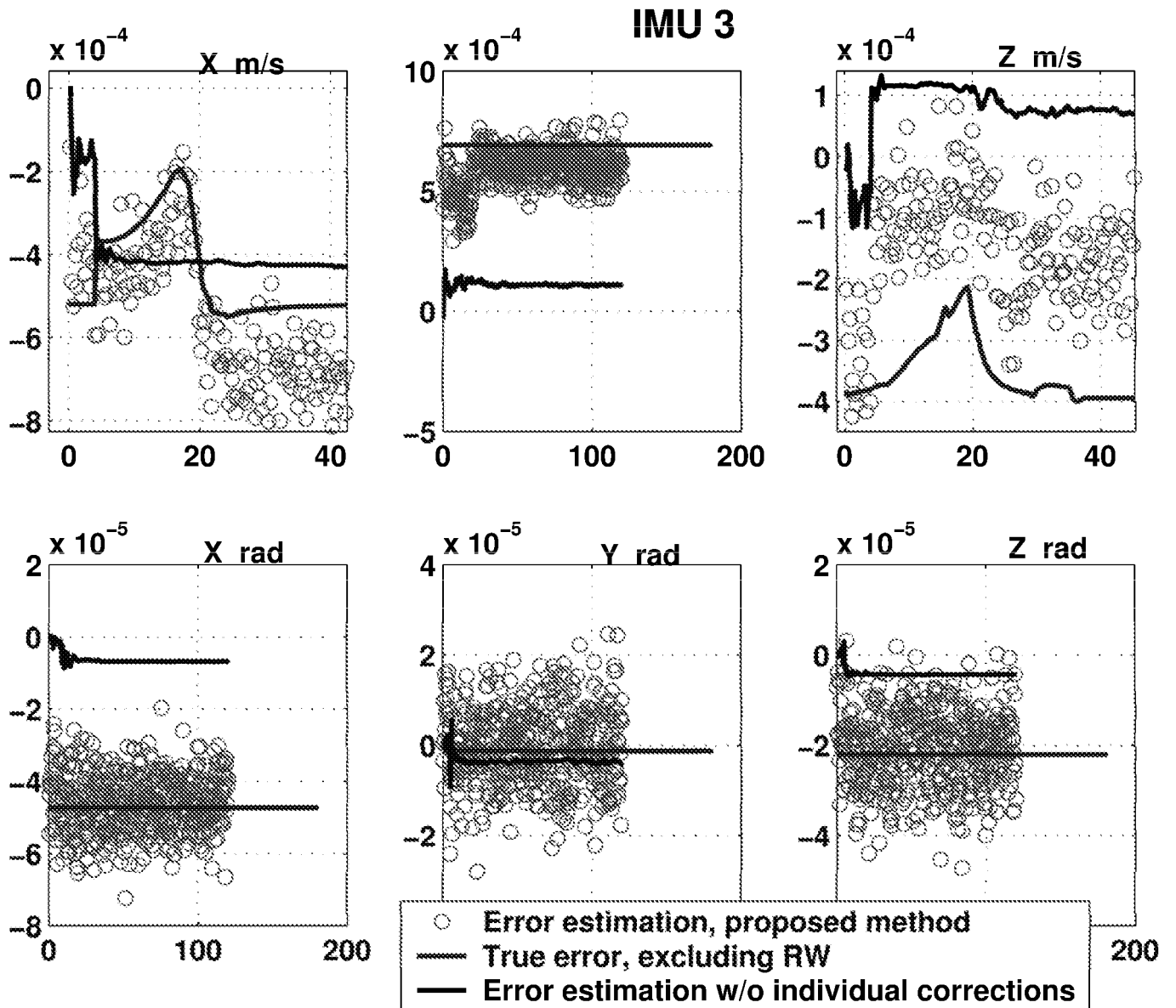


Figure 7: Off-center IMU errors: true, and estimated by both methods

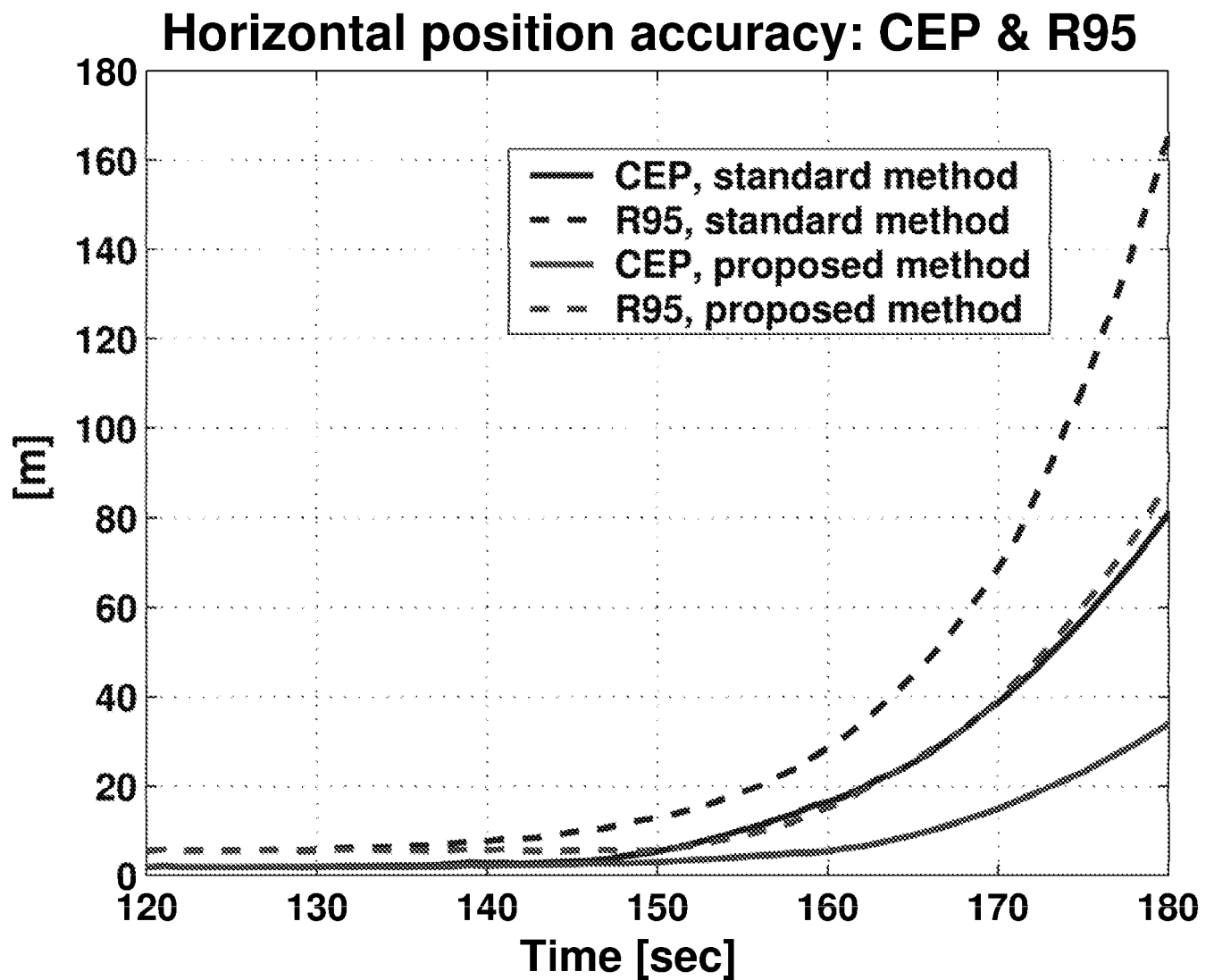


Figure 8: Horizontal CEP and R95 comparison, Monte-Carlo

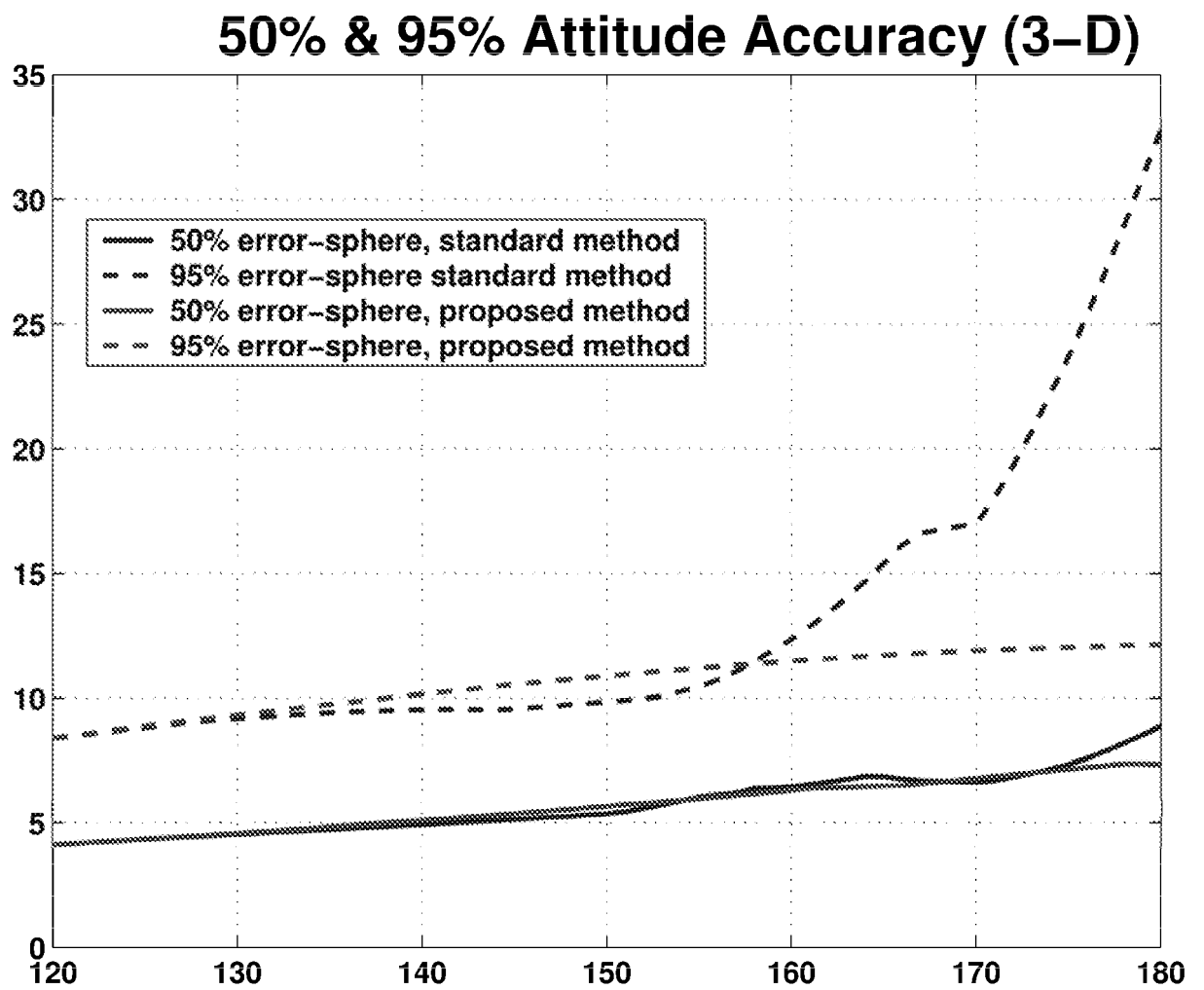


Figure 9: Attitude errors, 2 NAV schemes, Monte-Carlo