Speed, heading, and time Haversine distance 7.562 9.073 6.139 3.618 8.462 7.562 1.031 4.849 ×10<sup>-1</sup>  $\times 10^{-1}$  $\times 10^{-1}$  $\times 10^{-1}$  $\times 10^{-1}$  $\times 10^{-1}$ ×10<sup>-1</sup>  $\times 10^{-1}$ 1.0 1.0 1.0 1.0 7.562 9.073 6.837 3.618 7.562 5.094 4.849  $\times 10^{-1}$  $\times 10^{-1}$  $\times 10^{-1}$ ×10<sup>-1</sup>  $\times 10^{-1}$ ×10<sup>-1</sup>  $\times 10^{-1}$ 1.0 1.0 1.0 1.0 1.0 7.562 7.562 6.837 6.139 8.462 5.094 1.031

1.0 ×10 <sup>-1</sup> ×10 <sup>-1</sup>	1.0 ×10 <sup>-1</sup> ×10 <sup>-1</sup>	1.0 1.0 ×10 <sup>-1</sup>	1.0 ×10 <sup>-1</sup> ×10 <sup>-1</sup>
Forecasting time 2 s	Forecasting time 3 s	Forecasting time 4 s	Forecasting time 5 s
2.853 7.425 ×10 <sup>-4</sup> ×10 <sup>-2</sup> 1.0	$ \begin{array}{ccc} 1.073 & 9.073 \\ \times 10^{-1} & \times 10^{-1} & 1.0 \end{array} $	$\begin{array}{ccc} 1.206 & 3.038 \\ \times 10^{-1} & \times 10^{-1} & 1.0 \end{array}$	- GRU Att 4
8.809 ×10 <sup>-3</sup> 1.0 7.425 ×10 <sup>-2</sup>	2.444 ×10 <sup>-1</sup> 1.0 9.073 ×10 <sup>-1</sup>	9.863 ×10 <sup>-3</sup> 1.0 3.038 ×10 <sup>-1</sup>	- GRU Att 2
8.809 2.853 ×10 <sup>-3</sup> ×10 <sup>-4</sup>	1.0 2.444 1.073 ×10 <sup>-1</sup>	9.863 1.206 ×10 <sup>-3</sup> ×10 <sup>-1</sup>	- GRU Att 1
Forecasting time 10 s	Forecasting time 20 s	Forecasting time 30 s	•