	$6.528 \ 8.02 \ 9.119 \\ \times 10^{-1} \ \times 10^{-2} \ \times 10^{-4} \ 1.0$	1.266 1.879 5.077	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1.192 5.96 1.027 $\times 10^{-7} \times 10^{-7} \times 10^{-3} 1.0$
x and y offset RMSE	5.579 8.166 9.119	3.417 3.195 5.077	0.203 3.195 5.158	1.4/2 5.388 1.02/
	×10 ⁻³ ×10 ⁻⁶ 1.0 ×10 ⁻⁴	×10 ⁻² ×10 ⁻⁵ 1.0 ×10 ⁻¹	×10 ⁻² ×10 ⁻⁵ 1.0 ×10 ⁻² 3.417 3.195 1.508	×10 ⁻² ×10 ⁻⁵ 1.0 ×10 ⁻³ 2.635 5.388 5.96
	×10 ⁻² 1.0 ×10 ⁻⁶ ×10 ⁻²	×10 ⁻¹ 1.0 ×10 ⁻⁵ ×10 ⁻⁴	×10 ⁻² 1.0 ×10 ⁻⁵ ×10 ⁻⁵	×10 ⁻¹ 1.0 ×10 ⁻⁵ ×10 ⁻⁷
	1.0 $\times 10^{-2}$ $\times 10^{-3}$ $\times 10^{-1}$ $\times 10^{-1}$	1.266 3.41/ 1.266 $\times 10^{-1}$ $\times 10^{-2}$ $\times 10^{-1}$	3.41/ 6.263 4.297 1.0 ×10 ⁻² ×10 ⁻² ×10 ⁻⁴	1.0 $\times 10^{-1}$ $\times 10^{-2}$ $\times 10^{-7}$
	Forecasting time 2 s	Forecasting time 3 s	Forecasting time 4 s	Forecasting time 5 <i>s</i>
Speed, heading, and time RMSE	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5.96 5.96 5.96 ×10 ⁻⁸ ×10 ⁻⁸ 1.0	
	2.98	6.15 Z.ZII 5.96 ×10 ⁻¹ ×10 ⁻⁵ 1.0 ×10 ⁻⁸	7.112 6.721 5.96 ×10 ⁻¹ ×10 ⁻¹ 1.0 ×10 ⁻⁸	
	1.192 6.313 1.192	3.278 2.211 5.96	7.915 6.721 5.96	
	×10 ⁻⁷ 1.0 ×10 ⁻⁴ ×10 ⁻⁷	×10 ⁻⁶ 1.0 ×10 ⁻⁵ ×10 ⁻⁸	×10 ⁻¹ 1.0 ×10 ⁻¹ ×10 ⁻⁸	
	$1.0 \times 10^{-7} \times 10^{-7} \times 10^{-8}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.915 7.112 5.96 $\times 10^{-1} \times 10^{-1} \times 10^{-8}$	
	Forecasting time 10 s	Forecasting time 20 s	Forecasting time 30 s	
	5.96 5.96 ×10 ⁻⁸ ×10 ⁻⁸ 1.0	5.96 5.96 5.96 ×10 ⁻⁸ ×10 ⁻⁸ 1.0	5.96 5.96 5.96 ×10 ⁻⁸ ×10 ⁻⁸ 1.0	5.96 5.96 5.96 ×10 ⁻⁸ ×10 ⁻⁸ 1.0
	3.81 5.249 5.96 ×10 ⁻¹ ×10 ⁻¹ 1.0 ×10 ⁻⁸	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.485 4.742 5.96 ×10 ⁻¹ ×10 ⁻¹ 1.0 ×10 ⁻⁸
	4.261 5.249 5.96 $\times 10^{-1}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6.15 9.578 5.96 ×10 ⁻¹ 1.0 ×10 ⁻¹ ×10 ⁻⁸	7.712 $4./42$ 5.96 $\times 10^{-1}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$
	4.201 3.81 5.96	4.5/8 4.108 5.96	6.15 6.528 5.96 1.0 ×10 ⁻¹ ×10 ⁻¹ ×10 ⁻⁸	7.712 1.485 5.96
	1.0 $\times 10^{-1} \times 10^{-1} \times 10^{-8}$	1.0 $\times 10^{-1} \times 10^{-1} \times 10^{-8}$	1.0 $\times 10^{-1} \times 10^{-1} \times 10^{-8}$	1.0 $\times 10^{-1} \times 10^{-1} \times 10^{-8}$
	Forecasting time 2 s	Forecasting time 3 s	Forecasting time 4 s	Forecasting time 5 s
	×10 ⁻⁸ ×10 ⁻⁸ ×10 ⁻⁸ 1.0	×10 ⁻⁸ ×10 ⁻⁸ ×10 ⁻⁸ 1.0	×10 ⁻⁴ ×10 ⁻⁸ ×10 ⁻⁷ 1.0 – (JniTS
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	8.069 7.915 $\times 10^{-3}$ $\times 10^{-1}$ 1.0 $\times 10^{-8}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	GRU Att 4
	1.874 1.135 5.96 ×10 ⁻² 1.0 ×10 ⁻¹ ×10 ⁻⁸	7.915 $\times 10^{-2}$ $\times 10^{-1}$ $\times 10^{-8}$	3.419 1.817 5.96 ×10 ⁻³ 1.0 ×10 ⁻¹ ×10 ⁻⁸	GRU Att 2
	1.8/4 6.55/ 5.96	4.215 8.069 5.96	3.419 8.02 2.498	
	$1.0 \times 10^{-2} \times 10^{-6} \times 10^{-8}$	$1.0 \times 10^{-2} \times 10^{-3} \times 10^{-8}$	$1.0 \times 10^{-3} \times 10^{-2} \times 10^{-4} - ($	GRU Att 1
	Forecasting time 10 s	Forecasting time 20 s	Forecasting time 30 s	