	2.785 3.525 8.804	9.032 2.508 7.548	1.908 8.081 4.261	2.563 8.345 8.822
	$\times 10^{-3} \times 10^{-1} \times 10^{-5}$ 1.0	$\times 10^{-2} \times 10^{-3} \times 10^{-2}$ 1.0	$\times 10^{-1} \times 10^{-4} \times 10^{-1}$ 1.0	$\times 10^{-6} \times 10^{-7} \times 10^{-3}$ 1.0
x and y offset Haversine distance	1.355 3.278 8.804	9.578 1.83 /.548	5.965 2.871 4.261	1.014 7.498 8.822
	$\times 10^{-2} \times 10^{-6} 1.0 \times 10^{-5}$	$\times 10^{-1} \times 10^{-5} 1.0 \times 10^{-2}$	$\times 10^{-1} \times 10^{-4} 1.0 \times 10^{-1}$	$\times 10^{-1} \times 10^{-5}$ 1.0 $\times 10^{-3}$
and y rsine	2.498 3.278 3.525 $\times 10^{-4}$ 1.0 $\times 10^{-6}$ $\times 10^{-1}$	5.388 1.83 2.508 $\times 10^{-5}$ 1.0 $\times 10^{-5}$ $\times 10^{-3}$	8.081 2.8/1 8.081 $\times 10^{-4}$ 1.0 $\times 10^{-4}$ $\times 10^{-4}$	7.548 7.498 8.345 $\times 10^{-2}$ 1.0 $\times 10^{-5}$ $\times 10^{-7}$
x a Have	1.0			
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.0 $\times 10^{-2}$ $\times 10^{-1}$ $\times 10^{-6}$
	Forecasting time 2 s	Forecasting time 3 s	Forecasting time 4 s	Forecasting time 5 s
	5.96 5.96 5.96 ×10 ⁻⁸ ×10 ⁻⁸ ×10 ⁻⁸ 1.0	5.96 5.96 5.96 $\times 10^{-8}$ $\times 10^{-8}$ 1.0	5.96 5.96 5.96 $\times 10^{-8}$ $\times 10^{-8}$ 1.0	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
	$1.192 \ 2.025$ 5.96 $\times 10^{-7} \ \times 10^{-3} \ 1.0 \ \times 10^{-8}$	4.261 6.557 5.96 $\times 10^{-1}$ $\times 10^{-6}$ 1.0 $\times 10^{-8}$	8.74 6.721 5.96 $\times 10^{-1}$ $\times 10^{-1}$ 1.0 $\times 10^{-8}$	
	1.192 $\times 10^{-7}$ 1.0 $\times 10^{-3}$ $\times 10^{-8}$	$\times 10^{-6}$ $\times 10^{-6}$ $\times 10^{-6}$ $\times 10^{-8}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	1.192 1.192 5.96	1.132 4.261 5.96	6.338 8.74 5.96	
	1.0 $\times 10^{-7} \times 10^{-7} \times 10^{-8}$	$1.0 \times 10^{-6} \times 10^{-1} \times 10^{-8}$	$1.0 \times 10^{-1} \times 10^{-1} \times 10^{-8}$	
	Forecasting time 10 s	Forecasting time 20 <i>s</i>	Forecasting time 30 <i>s</i>	
time e	<u>-</u>	-		
	$\times 10^{-8}$ $\times 10^{-8}$ $\times 10^{-8}$ $\times 10^{-8}$ 1.0	$\times 10^{-8}$ $\times 10^{-8}$ $\times 10^{-8}$ $\times 10^{-8}$ 1.0	$\times 10^{-8} \times 10^{-8} \times 10^{-8} \times 10^{-8}$ 1.0	$\times 10^{-8}$ $\times 10^{-8}$ $\times 10^{-8}$ $\times 10^{-8}$ 1.0
	4.418 5.077 5.96	Z.5Z1 9.03Z 5.96	8.325 3.81 5.96	6.726 1.014 5.96
Speed, heading, and time Haversine distance	$\times 10^{-1} \times 10^{-1}$ 1.0 $\times 10^{-8}$	$\times 10^{-1}$ $\times 10^{-2}$ 1.0 $\times 10^{-8}$	$\times 10^{-1}$ $\times 10^{-1}$ 1.0 $\times 10^{-8}$	$\times 10^{-3} \times 10^{-1}$ 1.0 $\times 10^{-8}$
ading ine di	9.789 5.077 5.96	1.409 9.032 5.96	7.712 3.81 5.96	3.123 1.014 5.96
d, he	$\times 10^{-1}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$	$\times 10^{-1}$ 1.0 $\times 10^{-2}$ $\times 10^{-8}$	$\times 10^{-1}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$	$\times 10^{-1}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$
Spee	9.789 4.418 5.96	1.409 2.521 5.96	7.712 8.325 5.96	3.123 6.726 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 $\times 10^{-1} \times 10^{-3} \times 10^{-8}$
	Forecasting time 2 s	Forecasting time 3 s	Forecasting time 4 s	Forecasting time 5 s
	5.96 5.96 5.96	5.96 5.96 5.96	2.498 5.96 2.98	
	$\times 10^{-8} \times 10^{-8} \times 10^{-8}$ 1.0	$\times 10^{-8} \times 10^{-8} \times 10^{-8}$ 1.0	×10 ⁻⁴ ×10 ⁻⁸ ×10 ⁻⁷ 1.0 – (JniTS
	5.96 1.472 5.96 ×10-7 ×10-8	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7.098 2.2 2.98	
	$\times 10^{-7} \times 10^{-2} \ 1.0 \times 10^{-8}$	×10 ⁻³ ×10 ⁻¹ 1.0 ×10 ⁻⁸	×10 ⁻² ×10 ⁻¹ 1.0 ×10 ⁻⁷ - (GRU Att 4
	1.623 1.472 5.96 $\times 10^{-4}$ 1.0 $\times 10^{-2}$ $\times 10^{-8}$	9.635 7.31 5.96 $\times 10^{-3}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$	3.088 2.2 5.96 $\times 10^{-3}$ 1.0 $\times 10^{-1}$ $\times 10^{-8}$ 6	2011 44 0
				GRU Att 2
	$1.0 \times 10^{-4} \times 10^{-7} \times 10^{-8}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$7.088 \ 7.098 \ 2.498 \ \times 10^{-3} \ \times 10^{-2} \ \times 10^{-4} \ - \ 0$	GRU Att 1
				· · · · · ·
	Forecasting time 10 s	Forecasting time 20 s	Forecasting time 30 s	