| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
|-----------------|-----------------------|-----------------------|--------------|------|--------------|--------------|--------------|---|-----------------------|-----------------------|----------------------|-------------|--------------|-------------|----------------------|-----------------------|------------------------------|----------------------|--------------|-------------|----------------------|-------------|-------------|------|-------|-------|-------|-------|--------------|---------------|-------------|
| Speed RMSE | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.45 | 8 .0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.95 | 0.0 | 1.0 | 0.0 | | 0.0 | 9.0 | 0.0 | 0.05 | 5 .0 | 1.0 | 0.0 |
| | 0.0 | 0.0 | 0.11 | 60.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.45 | 6 .0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.02 | 8 .0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.1 | 40.0 | 1.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.2 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.45 | 8 .0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.95 | 0.0 | | 0.0 | 59.0 | 0.0 | 1.0 | 0.0 | 0.05 | 3 .0 |
| | 0.0 | 0.0 | 1.0 | 0.0 | 0.11 | 6 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 0.45 | 6 .0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 0.02 | 8 .0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 0.144 | 9 .0 (| 0.0 |
| | 0.00 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.31 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1.0 | 0.00 | 10.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.01 | 5 9.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.31 | 2 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.0 | 0.0 | 0.07 | 5 0.0 | 0.01 |) .0 |
| | Forecasting time 2 s | | | | | | | | Forecasting time 3 s | | | | | | Forecasting time 4 s | | | | | | Forecasting time 5 s | | | | | | | | | | |
| Heading RMSE | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | | | | | | | |
| | 0.08 | 5 9.0 | 0.0 | 0.01 | 1 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.05 | 5 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.14 | 8 .0 | 1.0 | 0.0 | | | | | | | | |
| | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | | | | | | | |
| | 0.0 | 0.00 | D .0 | 1.0 | 0.0 | 0.01 | 1 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.05 | 5 .0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.14 | 8 .0 | | | | | | | | |
| | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | | | | | | | |
| | 0.0 | 1.0 | 0.0 | 0.00 | Ø .0 | 0.0 | 0.0 | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.08 | 5 0.0 | | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| | Forecasting time 10 s | | | | | | | | | Forecasting time 20 s | | | | | | | Forecasting time 30 <i>s</i> | | | | | | | | | | | | | | |
| | 0.0 | 0.02 | 6 .0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.05 | 9 .00 | 5 .0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.06 | 3 .0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.00 | 3 .0 | 0.672 | 1.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.00 | 4 .0 | 1.0 | 0.67 |
| | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.06 | 3 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.004 | 0.003 |
| | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 |
| | 0.00 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.02 | 6 | 0.10 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 5 | 0.83 | 0.18 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.5 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 1.0 | 0.00 | 1 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.10 | 0 .0 | 0.0 | 0.0 | 0.0 | 0.05 | 9 | 1.0 | 0.83 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.8 | 520.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Forecasting time 2 s | | | | | | | | | | Forecasting time 3 s | | | | | | | Forecasting time 4 s | | | | | | | | F | oreca | sting | time 5 | 5 5 | |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | - Un | iTS | | | | | | |
| | 0.0 | 0.0 | 0.0 | 0.23 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | - RN | N Lir | near | | | | | |
| | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | - LS | тм т | hird | | | | | |
| | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.23 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | - LS | TM L | inea | ır | | | | |
| | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | - GR | U Re | efere | ence | | | | |
| | | 1.0 | | | | | | | | | | | | 0.0 | | | | 1.0 | | | | | | | U Att | t 2 | | | | | |
| | 1.0 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.08 | 5 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 1.0 | 0.24 | 0 .0 | 0.0 | 0.0 | 0.0 | 0.0 | - GR | U Att | t 1 | | | | | |
| | | Forecasting time 10 s | | | | | | | Forecasting time 20 s | | | | | | | Forecasting time 30 s | | | | | | | | | | | | | | | |