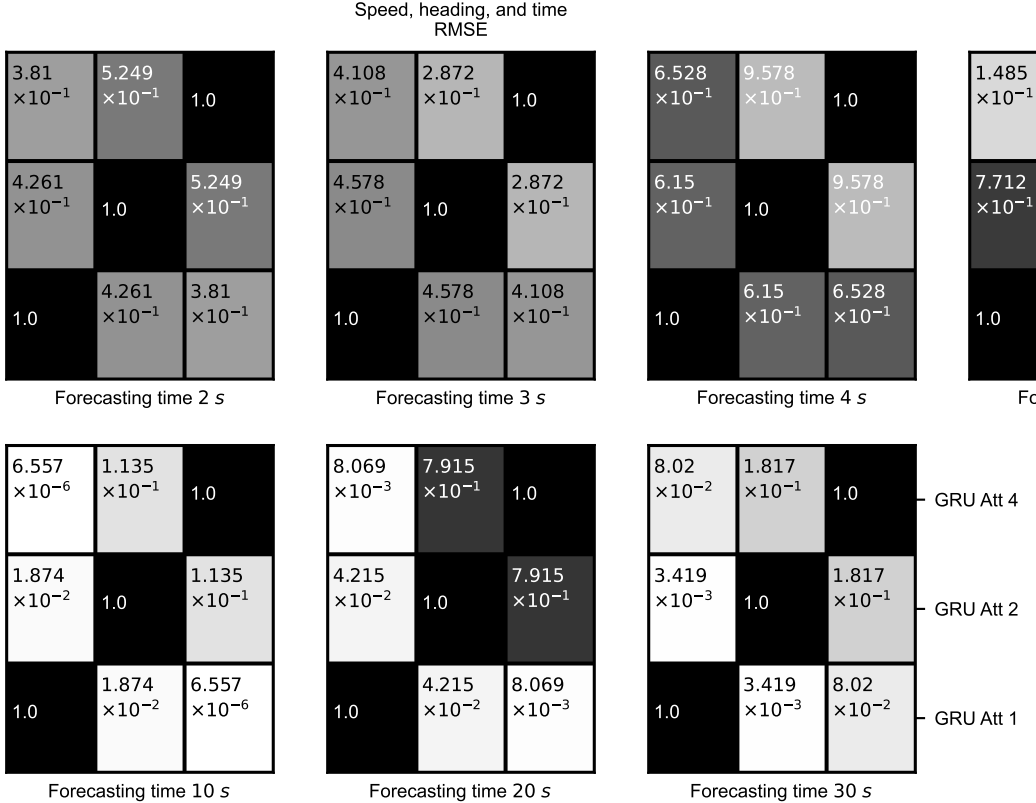
Speed, heading, and time
RMSE
3.81 ×10−1
5.249 ×10−1
1.0
4.261 ×10−1
1.0
5.249 ×10−1
1.0
4.261 ×10−1
3.81 ×10−1
Forecasting time 2 s
4.108 ×10−1
2.872 ×10−1
1.0
4.578 ×10−1
1.0
2.872 ×10−1
1.0
4.578 ×10−1
4.108 ×10−1
Forecasting time 3 s
6.528 ×10−1
9.578 ×10−1
1.0
6.15 ×10−1
1.0
9.578 ×10−1
1.0
6.15 ×10−1
6.528 ×10−1
Forecasting time 4 s
1.485 ×10−1
4.742 ×10−1
1.0
7.712 ×10−1
1.0
4.742 ×10−1
1.0
7.712 ×10−1
1.485 ×10−1
Forecasting time 5 s
6.557 ×10−6
1.135 ×10−1
1.0
1.874 ×10−2
1.0
1.135 ×10−1
1.0
1.874 ×10−2
6.557 ×10−6
Forecasting time 10 s
8.069 ×10−3
7.915 ×10−1
1.0
4.215 ×10−2
1.0
7.915 ×10−1
1.0
4.215 ×10−2
8.069 ×10−3
Forecasting time 20 s
8.02 ×10−2
1.817 ×10−1
1.0
3.419 ×10−3
1.0
1.817 ×10−1
1.0
3.419 ×10−3
8.02 ×10−2
Forecasting time 30 s
GRU Att 4
GRU Att 2
GRU Att 1