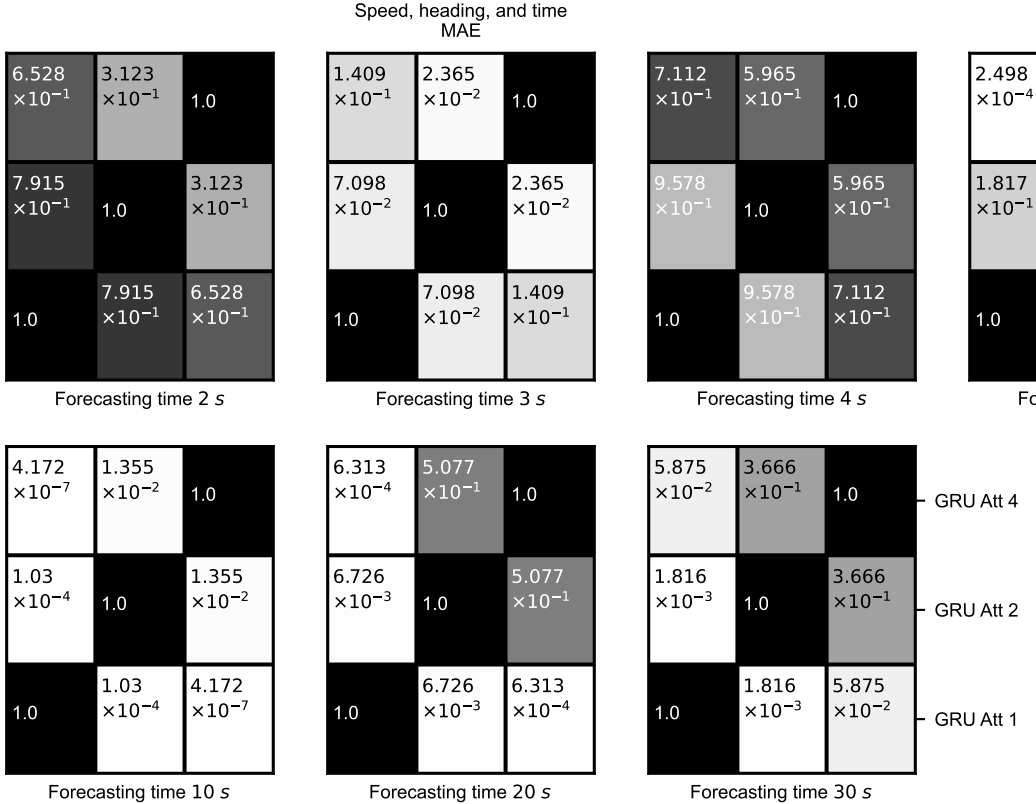
Speed, heading, and time
MAE
6.528 ×10−1
3.123 ×10−1
1.0
7.915 ×10−1
1.0
3.123 ×10−1
1.0
7.915 ×10−1
6.528 ×10−1
Forecasting time 2 s
1.409 ×10−1
2.365 ×10−2
1.0
7.098 ×10−2
1.0
2.365 ×10−2
1.0
7.098 ×10−2
1.409 ×10−1
Forecasting time 3 s
7.112 ×10−1
5.965 ×10−1
1.0
9.578 ×10−1
1.0
5.965 ×10−1
1.0
9.578 ×10−1
7.112 ×10−1
Forecasting time 4 s
2.498 ×10−4
6.67 ×10−2
1.0
1.817 ×10−1
1.0
6.67 ×10−2
1.0
1.817 ×10−1
2.498 ×10−4
Forecasting time 5 s
4.172 ×10−7
1.355 ×10−2
1.0
1.03 ×10−4
1.0
1.355 ×10−2
1.0
1.03 ×10−4
4.172 ×10−7
Forecasting time 10 s
6.313 ×10−4
5.077 ×10−1
1.0
6.726 ×10−3
1.0
5.077 ×10−1
1.0
6.726 ×10−3
6.313 ×10−4
Forecasting time 20 s
5.875 ×10−2
3.666 ×10−1
1.0
1.816 ×10−3
1.0
3.666 ×10−1
1.0
1.816 ×10−3
5.875 ×10−2
Forecasting time 30 s
GRU Att 4
GRU Att 2
GRU Att 1