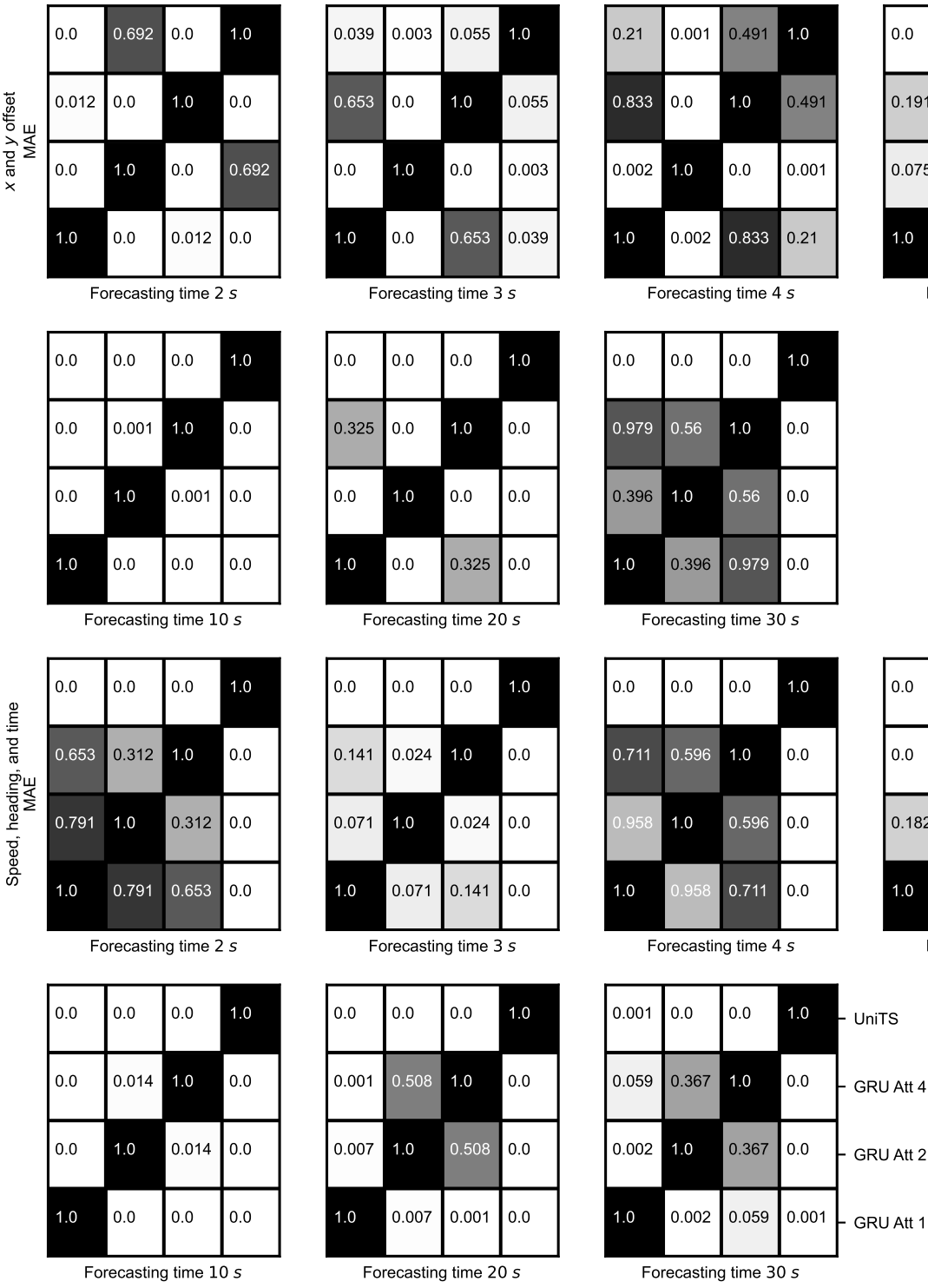
x and y offset MAE
0.0 0.692 0.0 1.0
0.012 0.0 1.0 0.0
0.0 1.0 0.0 0.692
1.0 0.0 0.012 0.0
Forecasting time 2 s
0.039 0.003 0.055 1.0
0.653 0.0 1.0 0.055
0.0 1.0 0.0 0.003
1.0 0.0 0.653 0.039
Forecasting time 3 s
0.21 0.001 0.491 1.0
0.833 0.0 1.0 0.491
0.002 1.0 0.0 0.001
1.0 0.002 0.833 0.21
Forecasting time 4 s
0.0 0.0 0.032 1.0
0.191 0.0 1.0 0.032
0.075 1.0 0.0 0.0
1.0 0.075 0.191 0.0
Forecasting time 5 s
0.0 0.0 0.0 1.0
0.0 0.001 1.0 0.0
0.0 1.0 0.001 0.0
1.0 0.0 0.0 0.0
Forecasting time 10 s
0.0 0.0 0.0 1.0
0.325 0.0 1.0 0.0
0.0 1.0 0.0 0.0
1.0 0.0 0.325 0.0
Forecasting time 20 s
0.0 0.0 0.0 1.0
0.979 0.56 1.0 0.0
0.396 1.0 0.56 0.0
1.0 0.396 0.979 0.0
Forecasting time 30 s
Speed, heading, and time MAE
0.0 0.0 0.0 1.0
0.653 0.312 1.0 0.0
0.791 1.0 0.312 0.0
1.0 0.791 0.653 0.0
Forecasting time 2 s
0.0 0.0 0.0 1.0
0.141 0.024 1.0 0.0
0.071 1.0 0.024 0.0
1.0 0.071 0.141 0.0
Forecasting time 3 s
0.0 0.0 0.0 1.0
0.711 0.596 1.0 0.0
0.958 1.0 0.596 0.0
1.0 0.958 0.711 0.0
Forecasting time 4 s
0.0 0.0 0.0 1.0
0.0 0.067 1.0 0.0
0.182 1.0 0.067 0.0
1.0 0.182 0.0 0.0
Forecasting time 5 s
0.0 0.0 0.0 1.0
0.0 0.014 1.0 0.0
0.0 1.0 0.014 0.0
1.0 0.0 0.0 0.0
Forecasting time 10 s
0.0 0.0 0.0 1.0
0.001 0.508 1.0 0.0
0.007 1.0 0.508 0.0
1.0 0.007 0.001 0.0
Forecasting time 20 s
0.001 0.0 0.0 1.0
0.059 0.367 1.0 0.0
0.002 1.0 0.367 0.0
1.0 0.002 0.059 0.001
Forecasting time 30 s
UniTS
GRU Att 4
GRU Att 2
GRU Att 1