| | 0.26 | 0.048 | 0.907 | 0.001 | 1.0 | Ī | 0.002 | 0.004 | 0.0 | 0.06 | 1.0 | | 0.003 | 0.0 | 0.0 | 0.001 | 1.0 | | 0.269 | 0.001 | 0.0 | 0.0 | 1.0 |
|----------------|-----------------------|-------|-------|--------|-------|---|-----------------------|-------|-------|--------|-------|--|-----------------------|-------|----------|-------|-------|--------------------|----------------------|-------|----------|-------|-------|
| Speed MAE | 0.008 | 0.012 | 0.004 | 1.0 | 0.001 | ŀ | 0.006 | 0.02 | 0.002 | 1.0 | 0.06 | | 0.168 | 0.181 | 0.002 | 1.0 | 0.001 | | 0.048 | 0.727 | 0.009 | 1.0 | 0.0 |
| | 0.473 | 0.415 | 1.0 | 0.004 | 0.907 | 1 | 0.985 | 0.393 | 1.0 | 0.002 | 0.0 | | 0.088 | 0.074 | 1.0 | 0.002 | 0.0 | | 0.001 | 0.023 | 1.0 | 0.009 | 0.0 |
| | 0.831 | 1.0 | 0.415 | 0.012 | 0.048 | ı | 0.485 | 1.0 | 0.393 | 0.02 | 0.004 | | 0.892 | 1.0 | 0.074 | 0.181 | 0.0 | | 0.068 | 1.0 | 0.023 | 0.727 | 0.001 |
| | 1.0 | 0.831 | 0.473 | 0.008 | 0.26 | | 1.0 | 0.485 | 0.985 | 0.006 | 0.002 | | 1.0 | 0.892 | 0.088 | 0.168 | 0.003 | | 1.0 | 0.068 | 0.001 | 0.048 | 0.269 |
| | Forecasting time 2 s | | | | | • | Forecasting time 3 s | | | | | | Forecasting time 4 s | | | | | | Forecasting time 5 s | | | | |
| Heading MAE | 0.816 | 0.001 | 0.0 | 0.0 | 1.0 | | 0.008 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.002 | 1.0 | | | | | | |
| | 0.0 | 0.019 | 0.168 | 1.0 | 0.0 | İ | 0.207 | 0.244 | 0.071 | 1.0 | 0.0 | | 0.112 | 0.003 | 0.0 | 1.0 | 0.002 | | | | | | |
| | 0.0 | 0.003 | 1.0 | 0.168 | 0.0 | ľ | 0.007 | 0.461 | 1.0 | 0.071 | 0.0 | | 0.001 | 0.05 | 1.0 | 0.0 | 0.0 | | | | | | |
| | 0.003 | 1.0 | 0.003 | 0.019 | 0.001 | ļ | 0.017 | 1.0 | 0.461 | 0.244 | 0.0 | | 0.038 | 1.0 | 0.05 | 0.003 | 0.0 | | | | | | |
| | 1.0 | 0.003 | 0.0 | 0.0 | 0.816 | | 1.0 | 0.017 | 0.007 | 0.207 | 0.008 | | 1.0 | 0.038 | 0.001 | 0.112 | 0.0 | | | | | | |
| | Forecasting time 10 s | | | | | | Forecasting time 20 s | | | | | | Forecasting time 30 s | | | | | J | | | | | |
| | 0.0 | 0.0 | 0.0 | 0.006 | 1.0 | ſ | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1 | 0.0 | 0.0 | 0.003 | 0.0 | 1.0 |
| | 0.0 | 0.0 | 0.0 | 1.0 | 0.006 | ŀ | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 |
| | 0.522 | 0.157 | 1.0 | 0.0 | 0.0 | | 0.135 | 0.669 | 1.0 | 0.0 | 0.0 | | 0.063 | 0.125 | 1.0 | 0.0 | 0.0 | | 0.042 | 0.116 | 1.0 | 0.0 | 0.003 |
| | 0.065 | 1.0 | 0.157 | 0.0 | 0.0 | ŀ | 0.229 | 1.0 | 0.669 | 0.0 | 0.0 | | 0.816 | 1.0 | 0.125 | 0.0 | 0.0 | | 0.669 | 1.0 | 0.116 | 0.0 | 0.0 |
| | 1.0 | | 0.522 | | 0.0 | | 1.0 | | 0.135 | | 0.0 | | | | 0.063 | | 0.0 | | 1.0 | | 0.042 | | 0.0 |
| | | | | me 2 s | | | | | | me 3 s | | | | | sting ti | | | | | | sting ti | | |
| | | | _ | | | Γ | | | | | | | | | | | | 1 | | | | | |
| | 0.002 | 0.023 | 0.669 | | 1.0 | | 0.008 | 0.048 | | 0.0 | 1.0 | | 0.001 | | | 0.0 | 1.0 | − Uni ⁻ | ΓS | | | | |
| | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | - LST | STM Linear | | | | |
| | 0.005 | 0.107 | 1.0 | 0.0 | 0.669 | | 0.222 | 0.116 | 1.0 | 0.0 | 0.0 | | 0.938 | 0.522 | 1.0 | 0.0 | 0.0 | - GRI | J Att 4 | | | | |
| | 0.055 | 1.0 | 0.107 | 0.0 | 0.023 | | 0.548 | 1.0 | 0.116 | 0.0 | 0.048 | | 0.561 | 1.0 | 0.522 | 0.0 | 0.002 | GRI | J Att 2 | | | | |
| | 1.0 | 0.055 | 0.005 | 0.0 | 0.002 | | 1.0 | 0.548 | 0.222 | 0.0 | 0.008 | | 1.0 | 0.561 | 0.938 | 0.0 | 0.001 | - GRI | J Att 1 | | | | |
| | Forecasting time 10 s | | | | | | Forecasting time 20 s | | | | | | Forecasting time 30 s | | | | | | | | | | |