

EMS2024-152

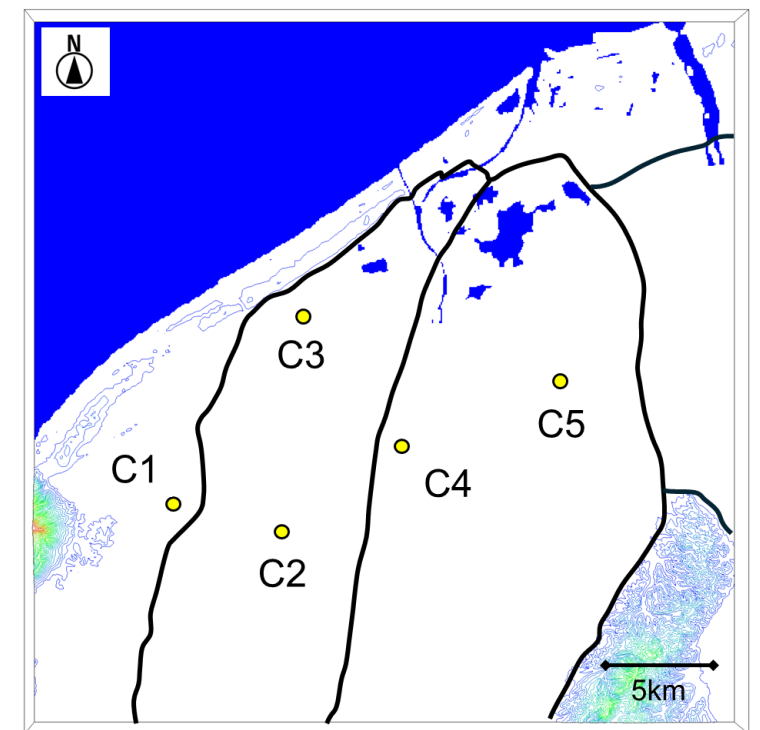
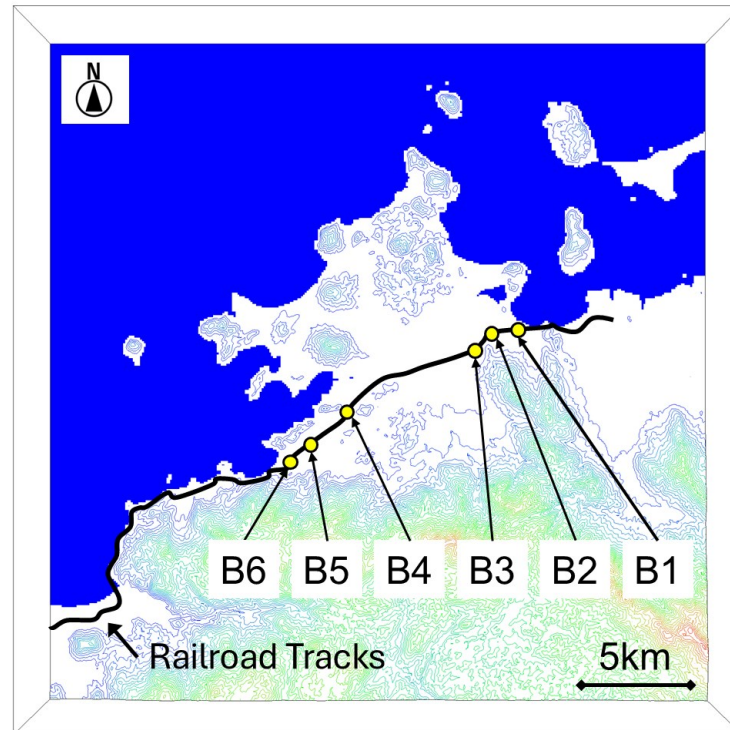
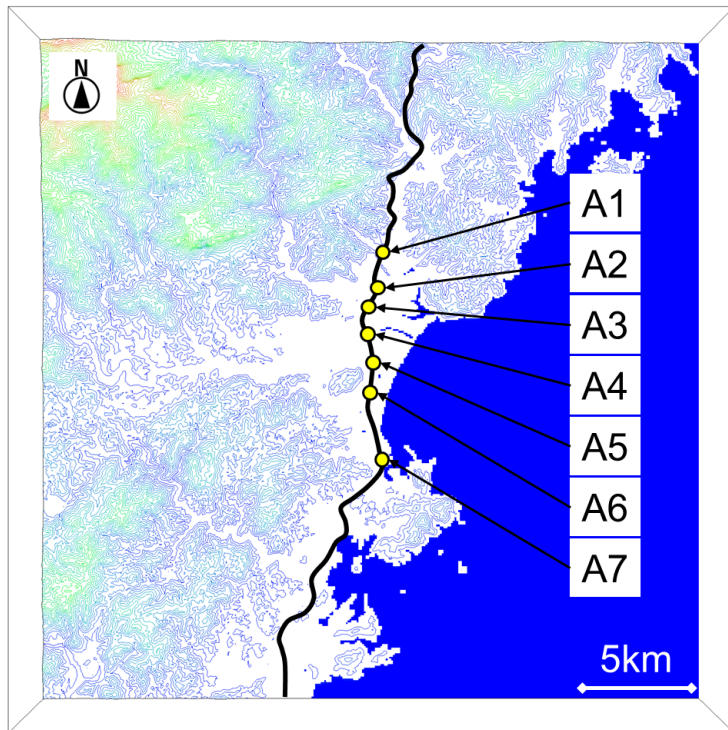
supporting material

Developing Method to Forecast the Short-term Instantaneous
Wind Speed for Railways Operation Control under Strong
Winds

Aki KURIHARA, Keiji Araki
Railway Technical Research Institute

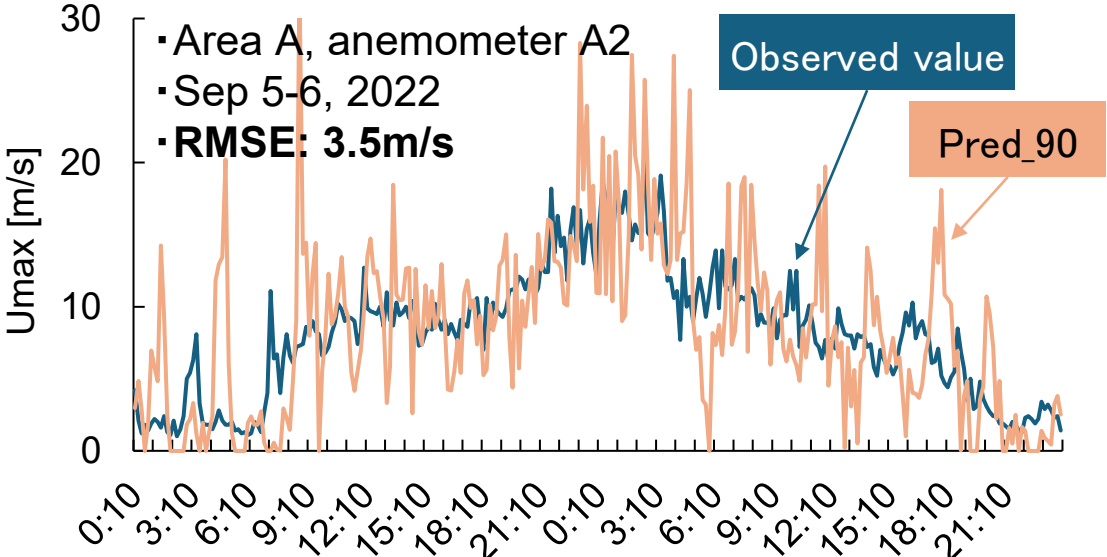
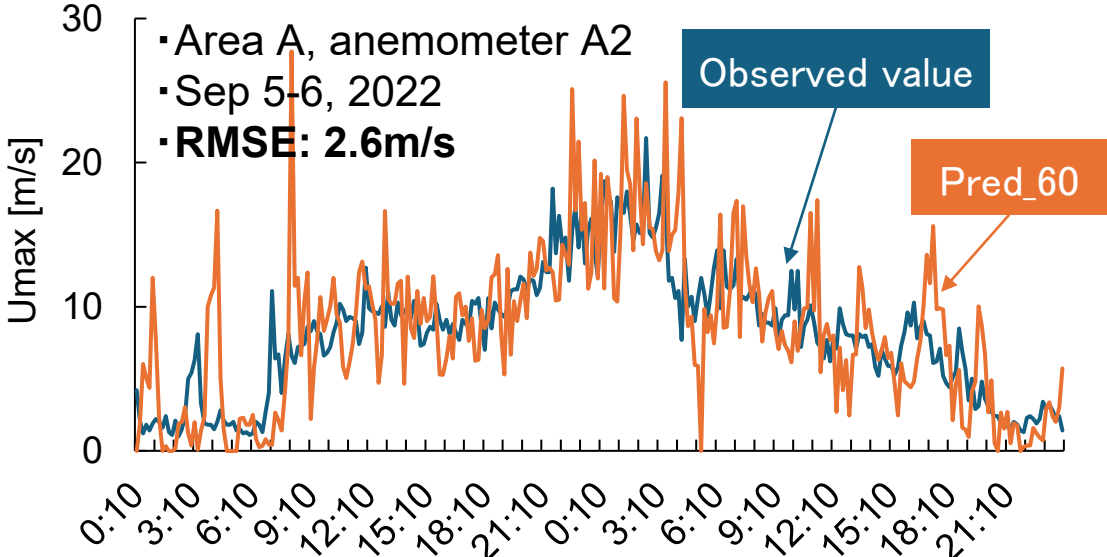
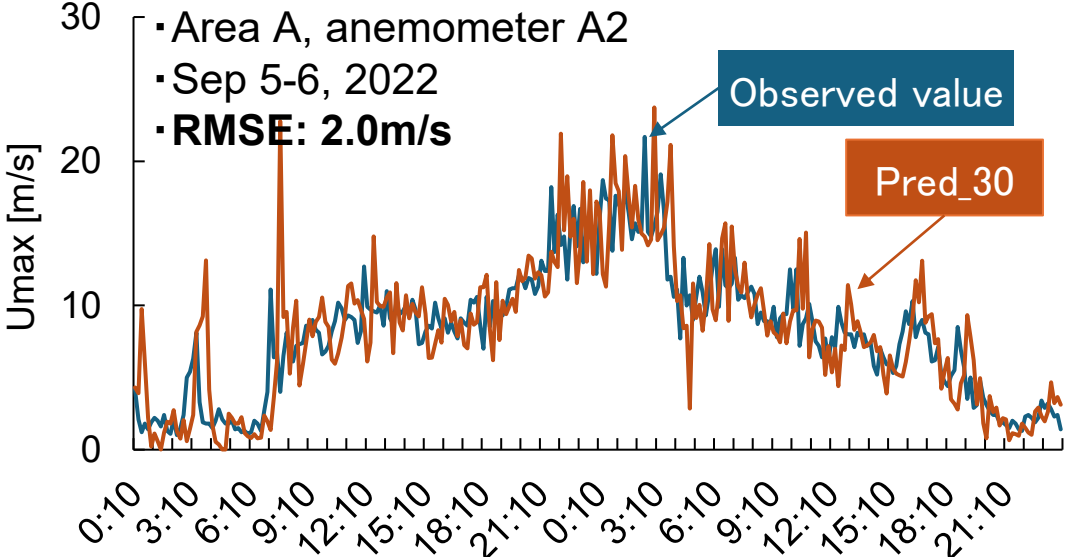
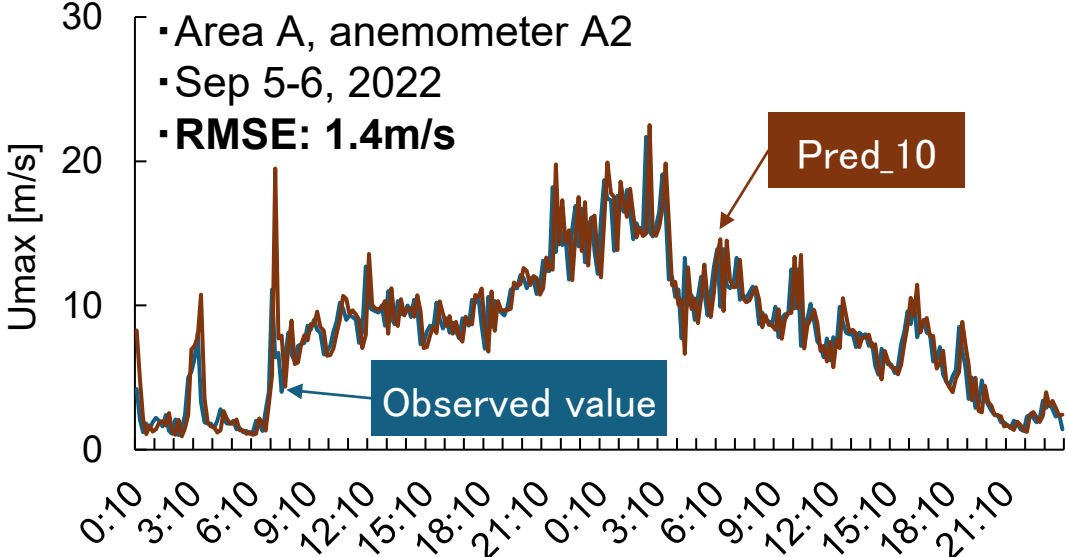
Wind observation

- Wind observations were conducted along the railroad tracks.
- 18 anemometers were installed in three areas.

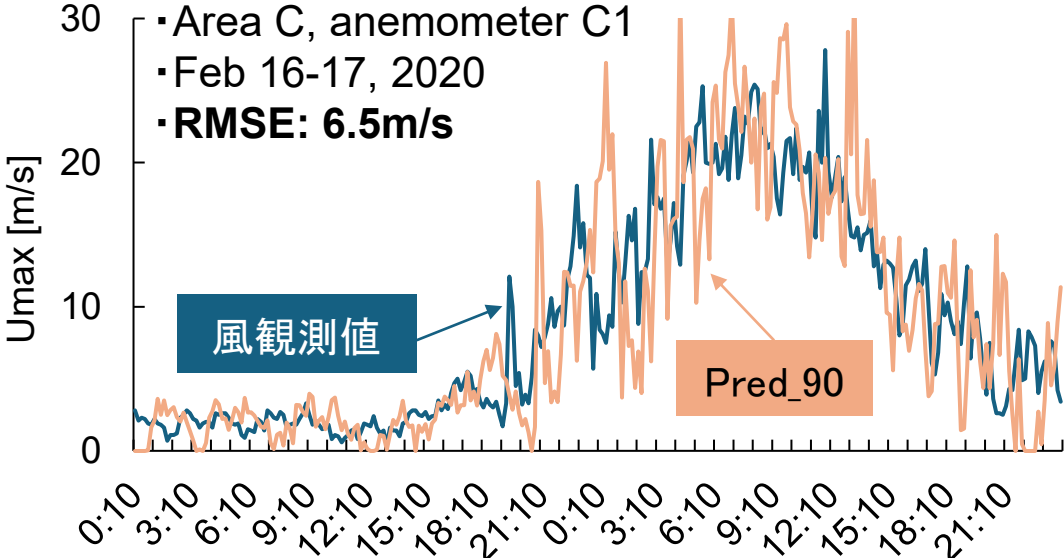
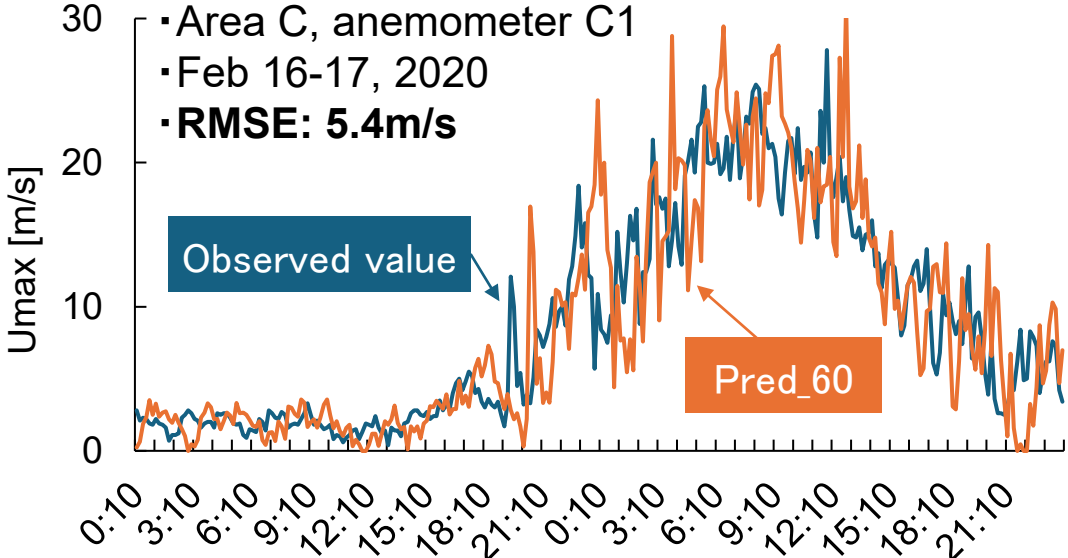
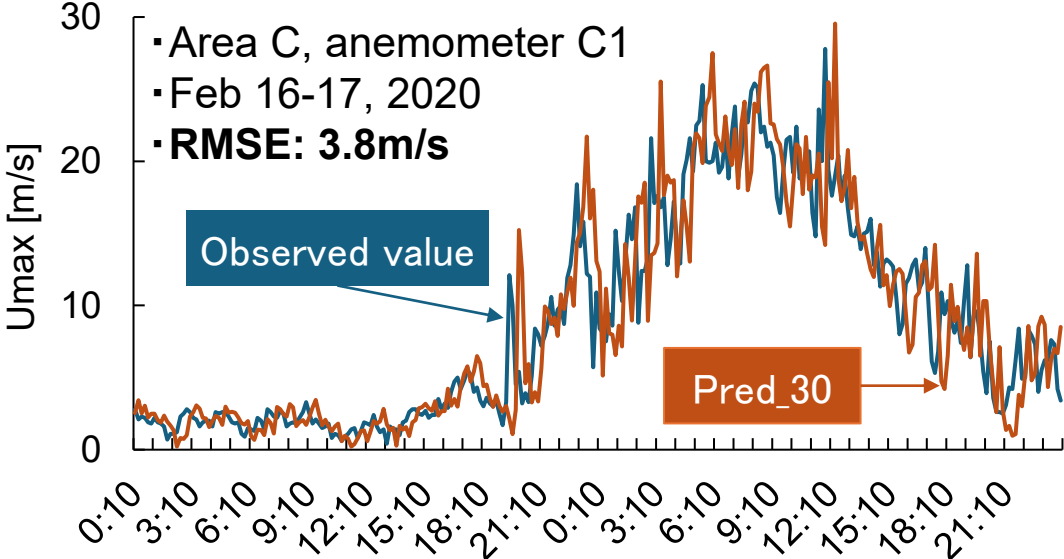
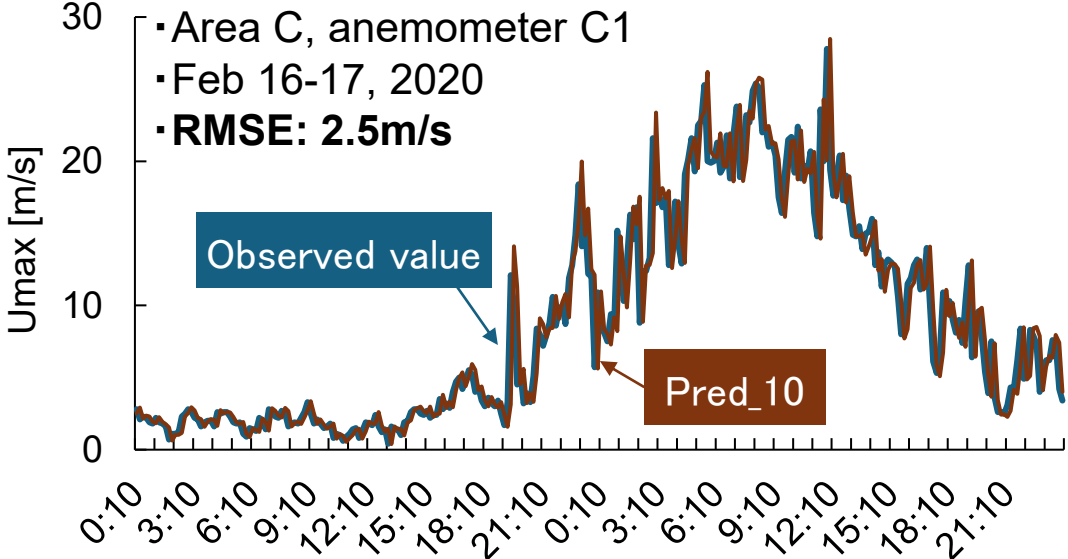


— : railroad tracks
● : Anemometers

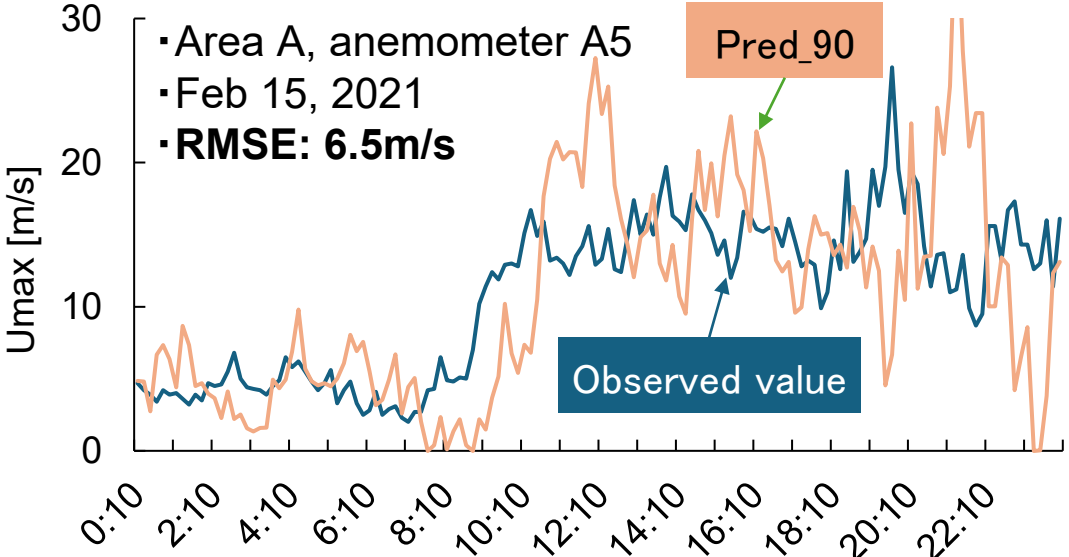
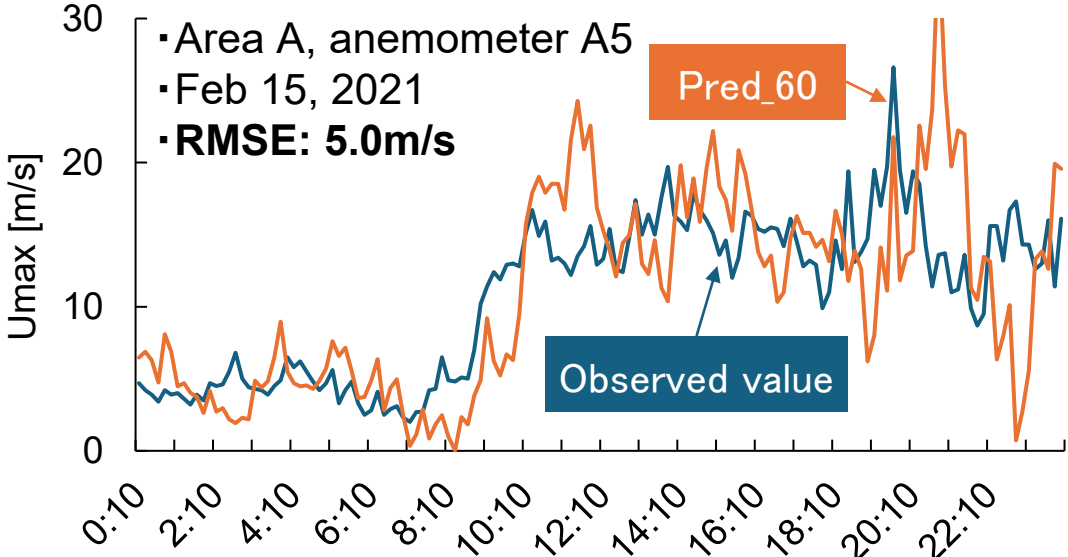
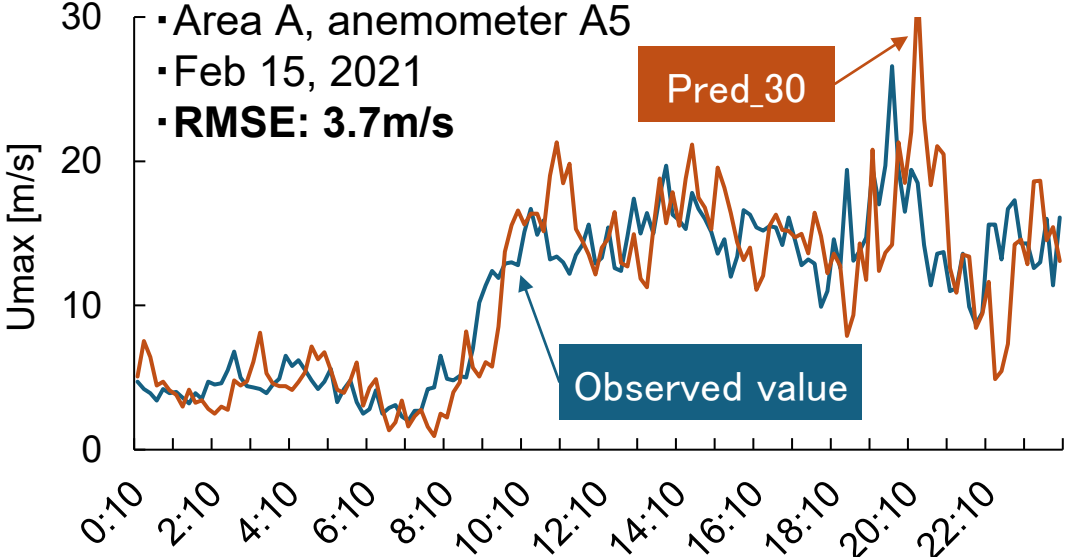
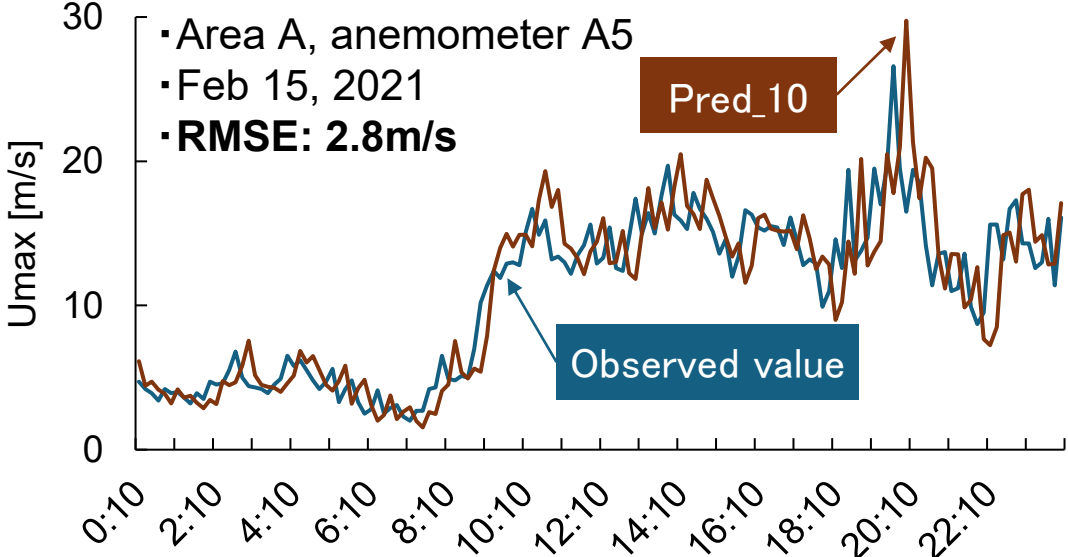
Forecast result -Typhoon-



Forecast result -Low pressure-



Forecast result -Winter pressure-



RMSE by synoptic scale

