

Interactive comment on “Meteorological observations in tall masts for mapping of atmospheric flow in Norwegian fjords” by Birgitte Rugaard Furevik et al.

Anonymous Referee #3

Received and published: 15 August 2020

This manuscript presents details of the meteorological observation system at the Norwegian fjords. As a part of coastal highway project, wind is the focused parameter measured at multiple vertical levels at 11 locations extending over 2-10 years of record. The dataset consists of high frequency and long-term measurements of wind speed and direction as well as other meteorological fields at selected locations. I think that the dataset is of significance to the research and engineering communities, and the manuscript covers basics of a data description paper but I have a few suggestions to improve.

1. Figure 11: I recommend plotting the wind rose at 11 stations overlaid and pointing

Printer-friendly version

Discussion paper



to the location on the map to give a perspective of the entire region. Like the example figure (with partial stations) 2. Quality control is an important part of data description. I think that Section3 Data handling and Quality should be dedicated to quality control. The current content is mainly on processing and transmission, that seems to fit in Section 5. What is the latency of the data near real time? 3. Figure 13: How long does the observation record go back at the reference site? Is it available before 2009? If so, it would be nice to use longer time mean. 4. Line 246-247: I don't understand this sentence, please clarify.

Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2020-32>, 2020.

[Printer-friendly version](#)

[Discussion paper](#)



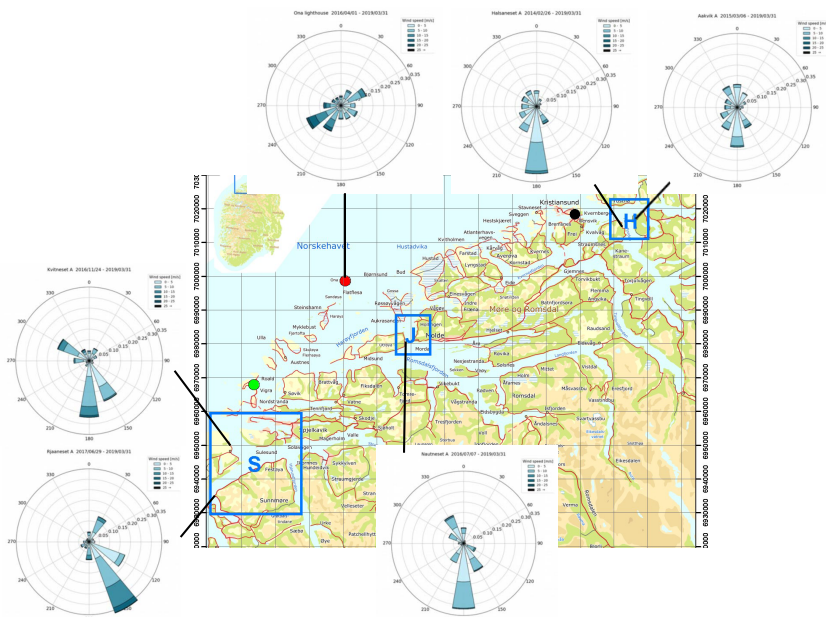


Fig. 1.

Printer-friendly version

Discussion paper

