



Supplement of

A new method for estimating megacity NO_x emissions and lifetimes from satellite observations

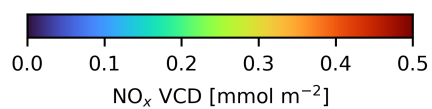
Steffen Beirle and Thomas Wagner

Correspondence to: Steffen Beirle (steffen.beirle@mpic.de)

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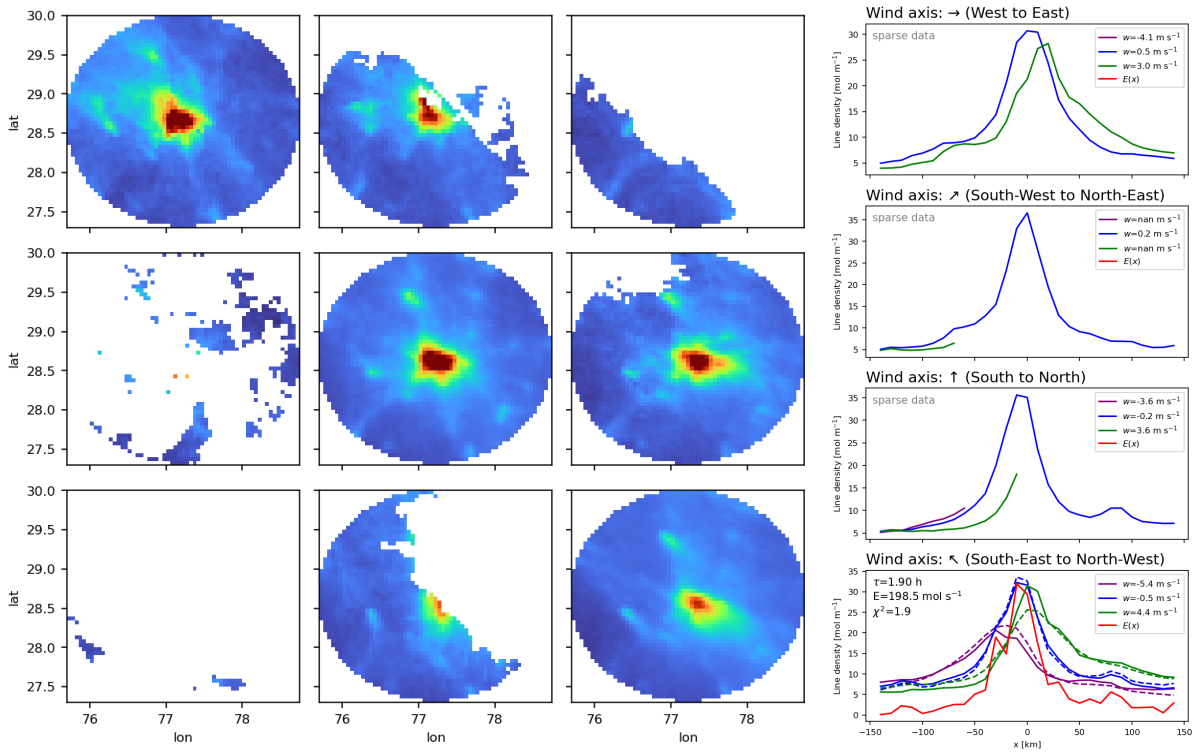
This Supplement provides (a) seasonal maps of NO_x for different wind directions, and (b) the respective line densities and fit results, for the 100 cities listed in table 1 where lifetime/emission estimates were possible.

The following colormap is used for all VCD maps below:

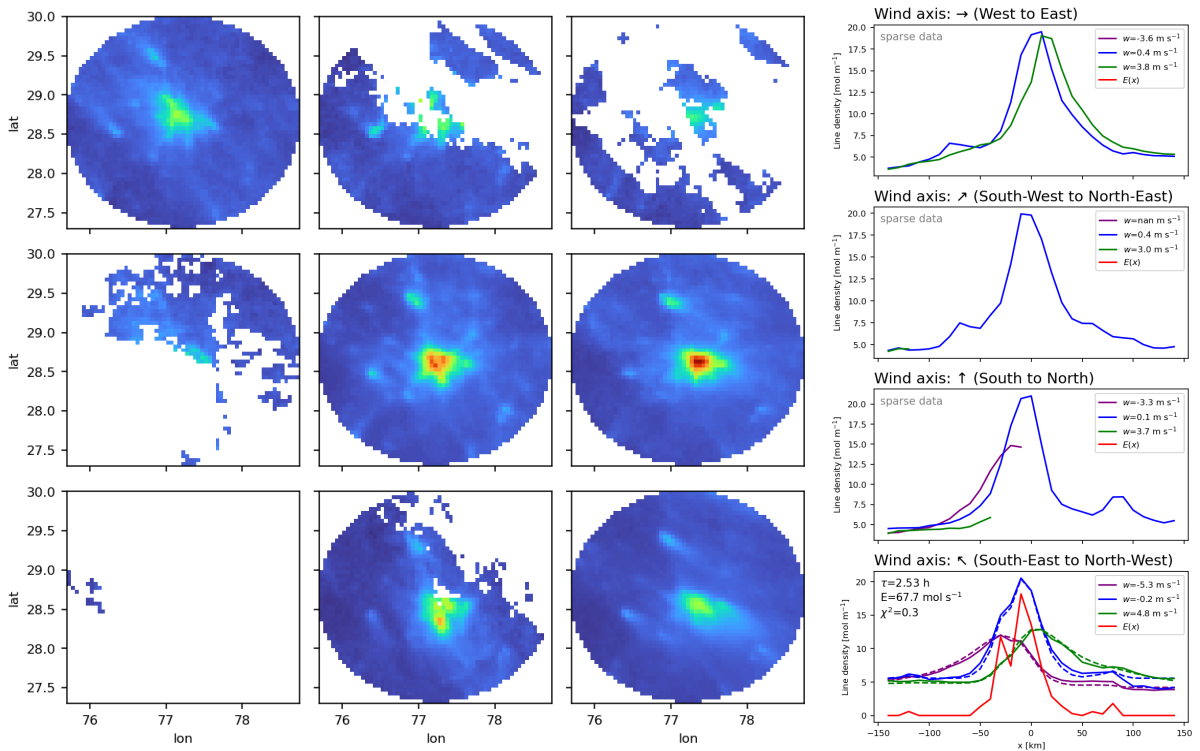


1 Delhi

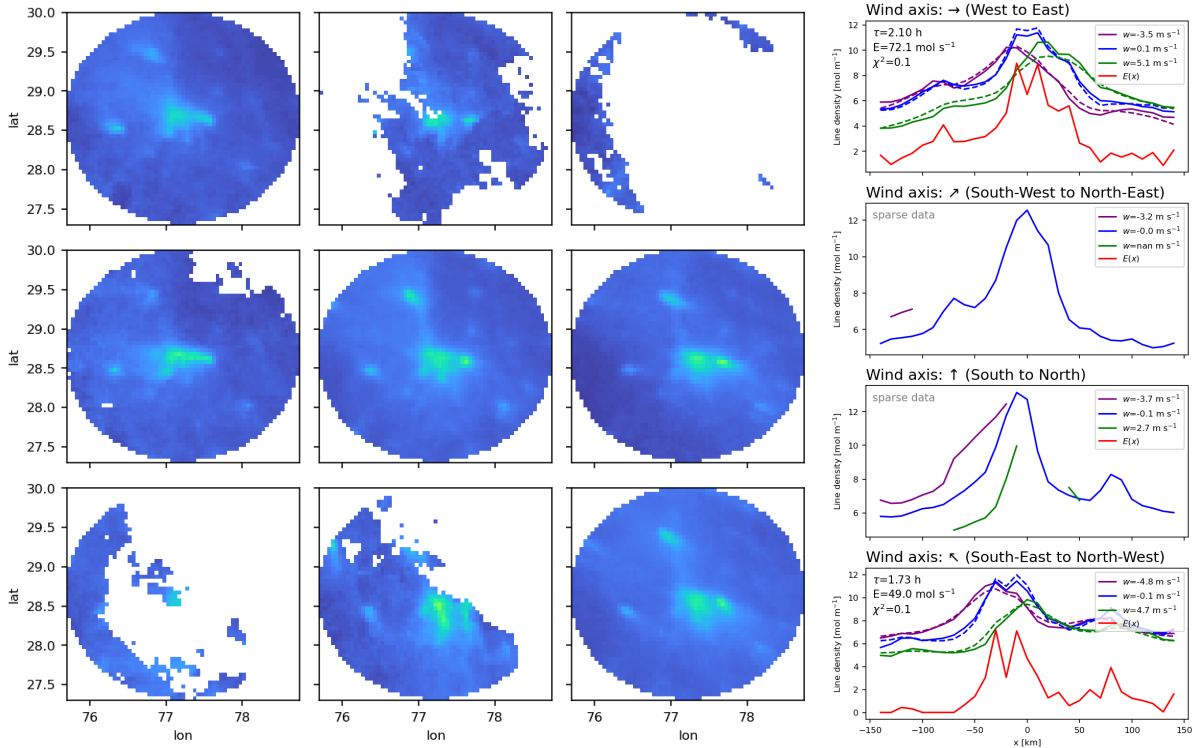
1.1 Winter



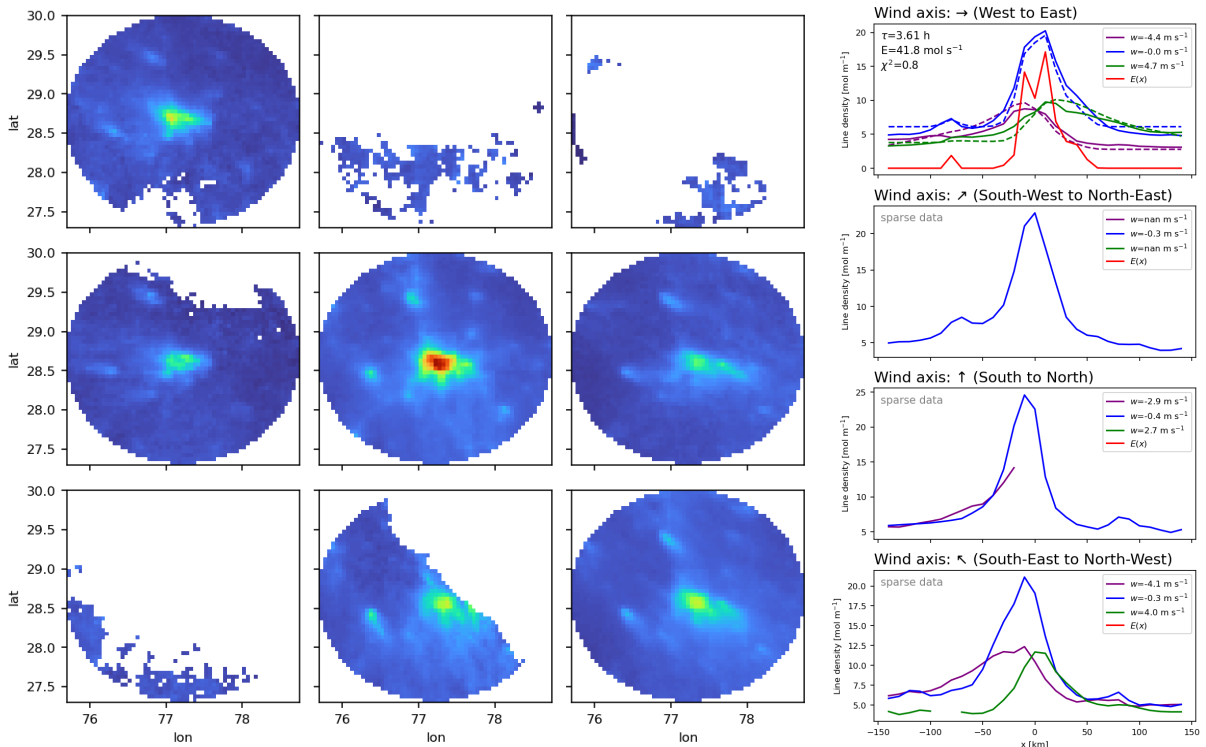
1.2 Spring



1.3 Summer

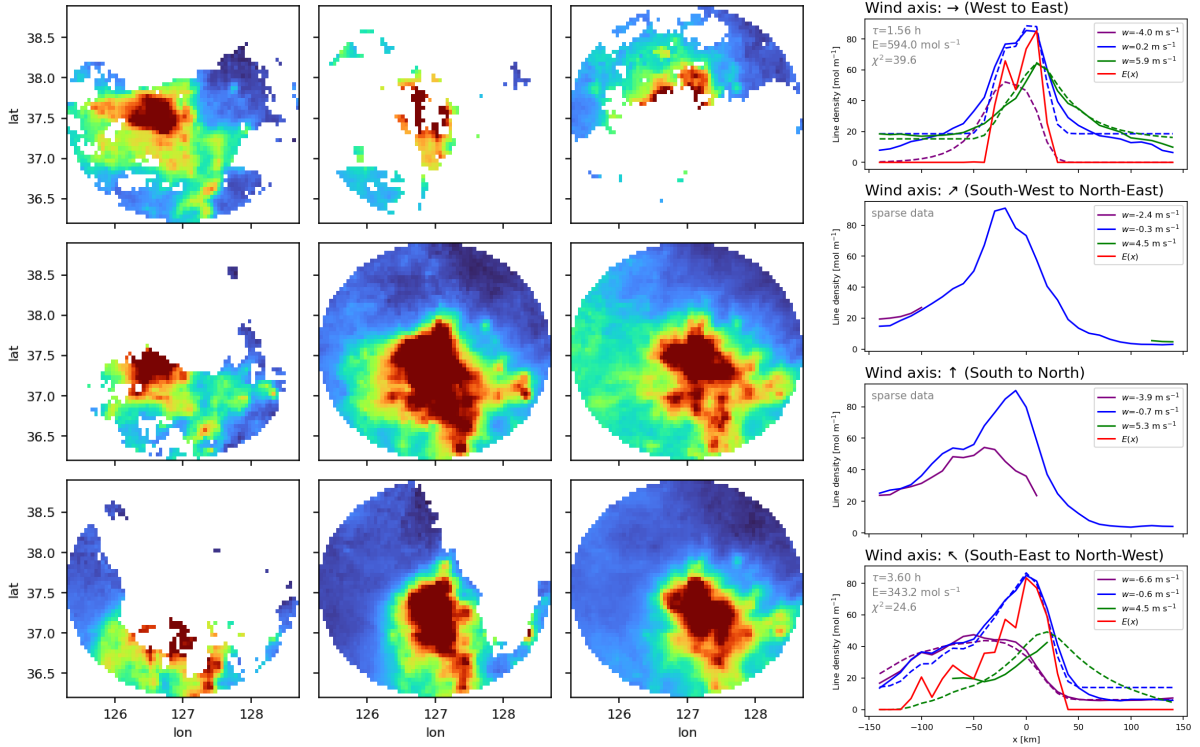


1.4 Autumn

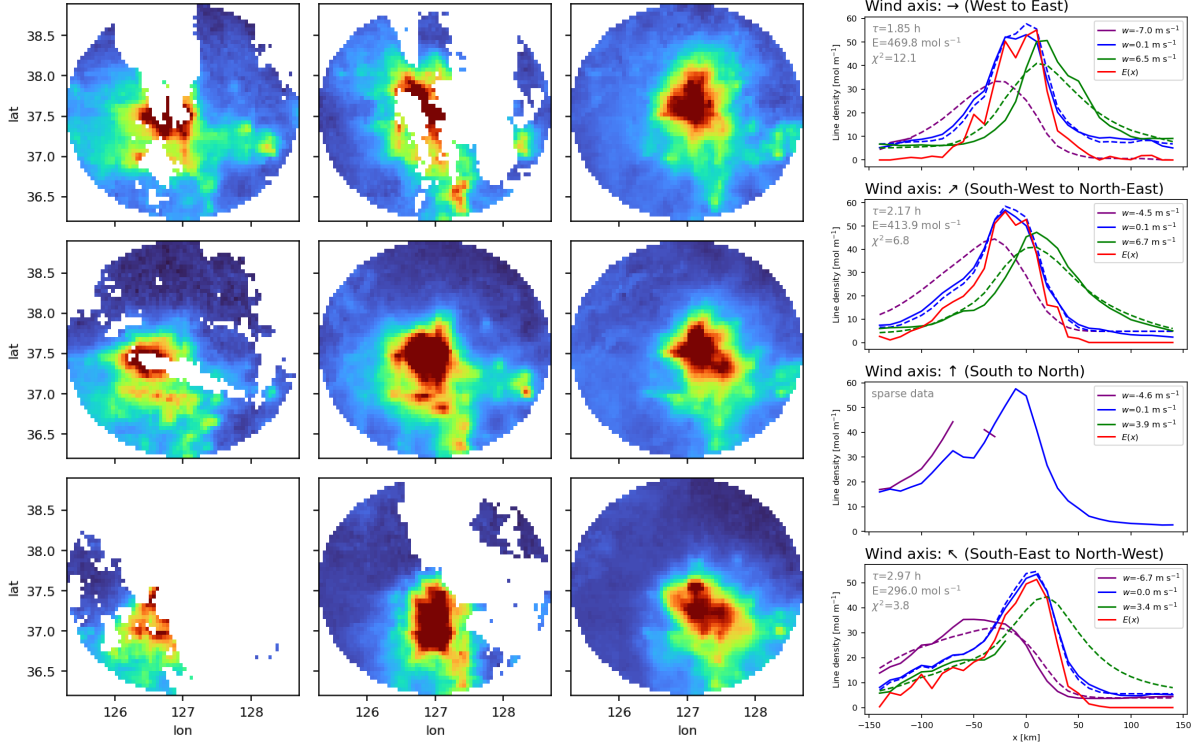


2 Seoul

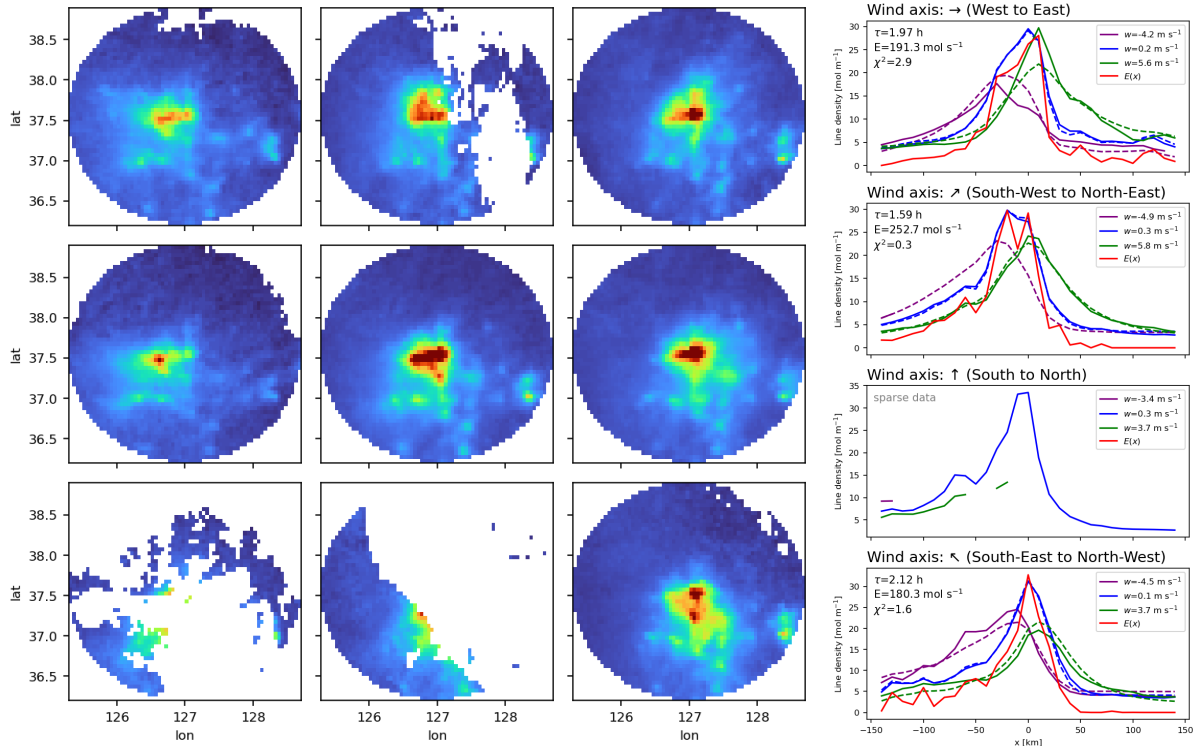
2.1 Winter



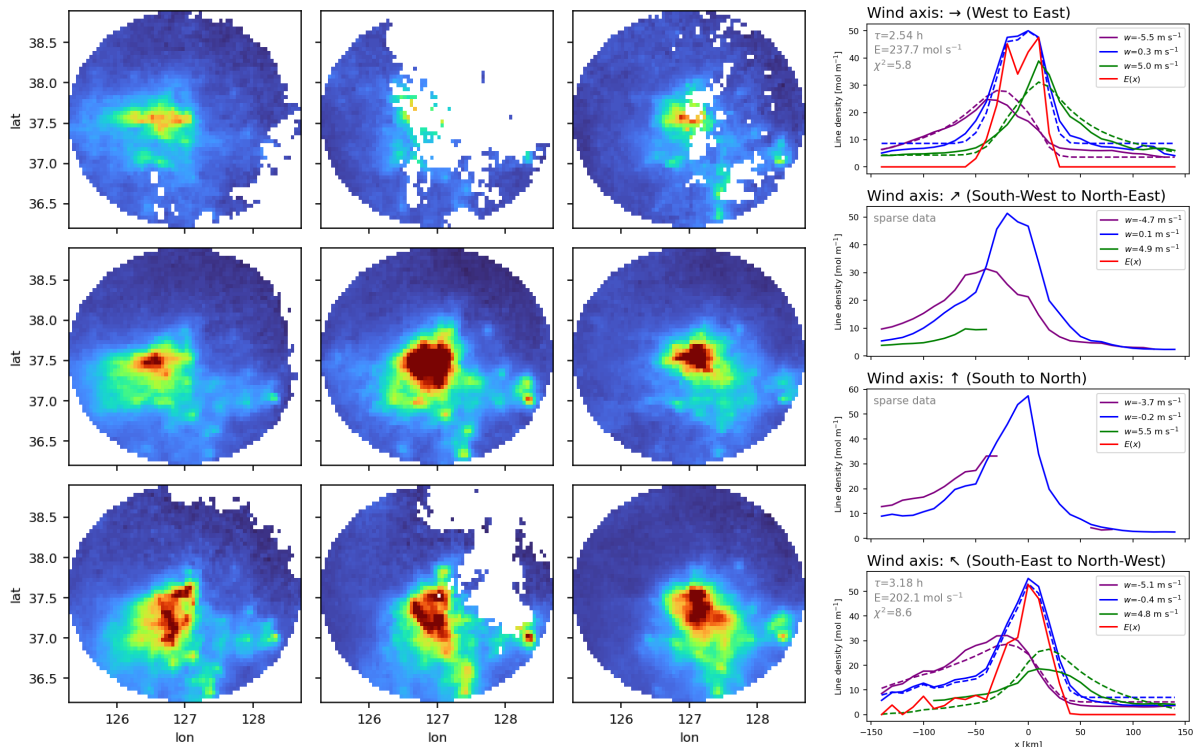
2.2 Spring



2.3 Summer

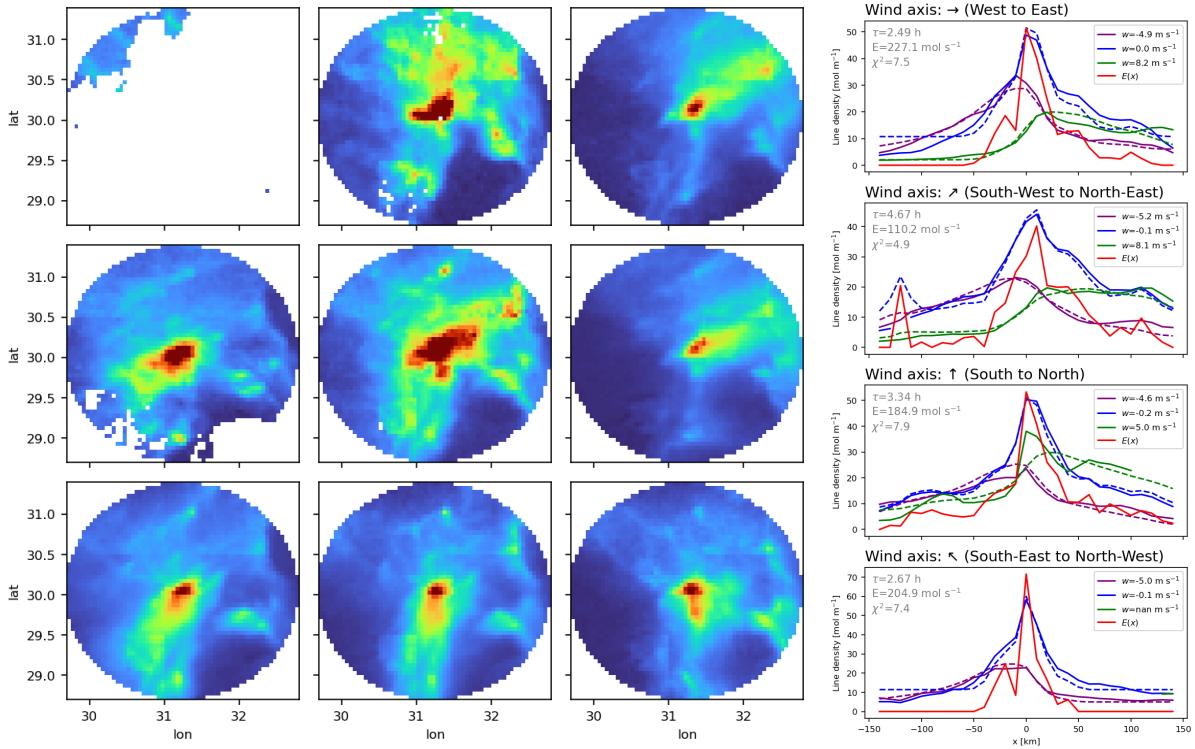


2.4 Autumn

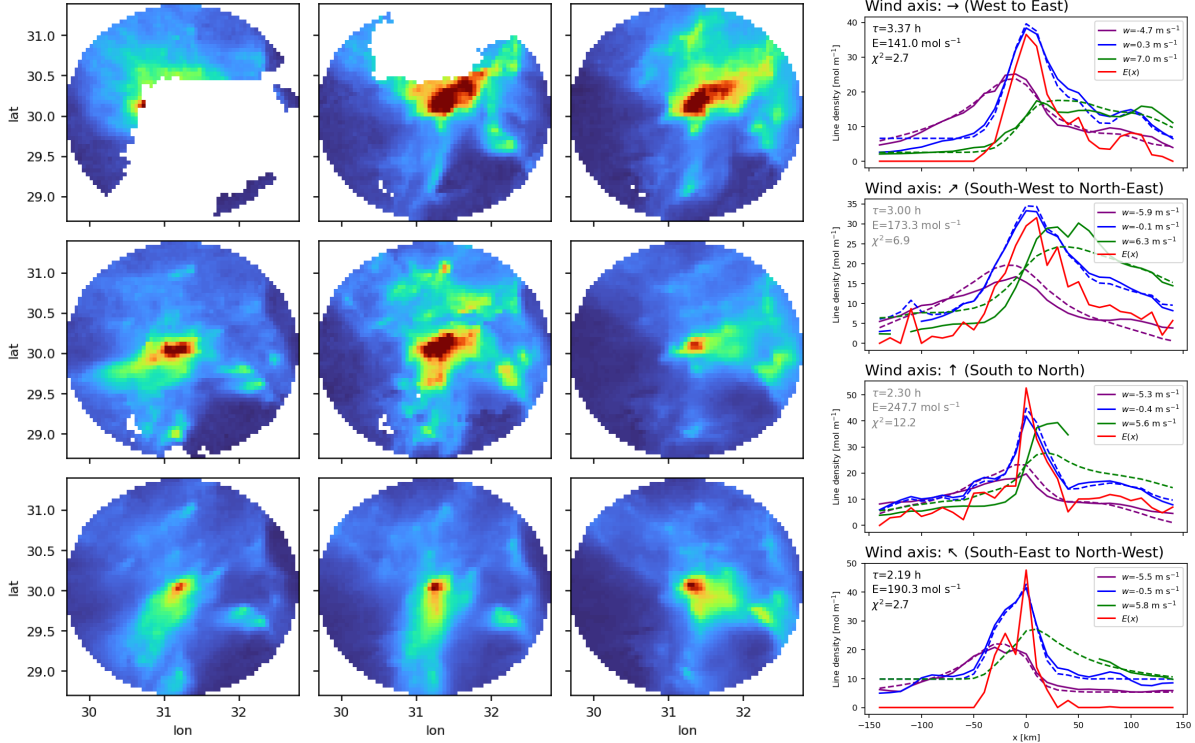


3 Cairo

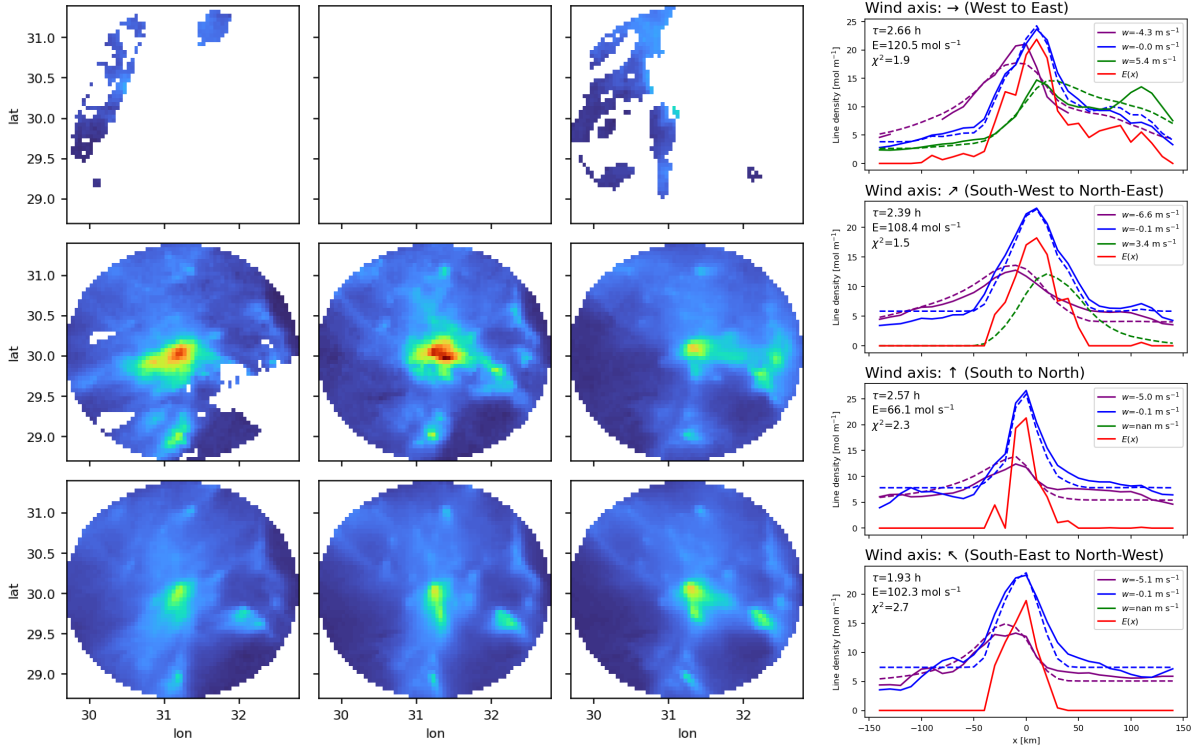
3.1 Winter



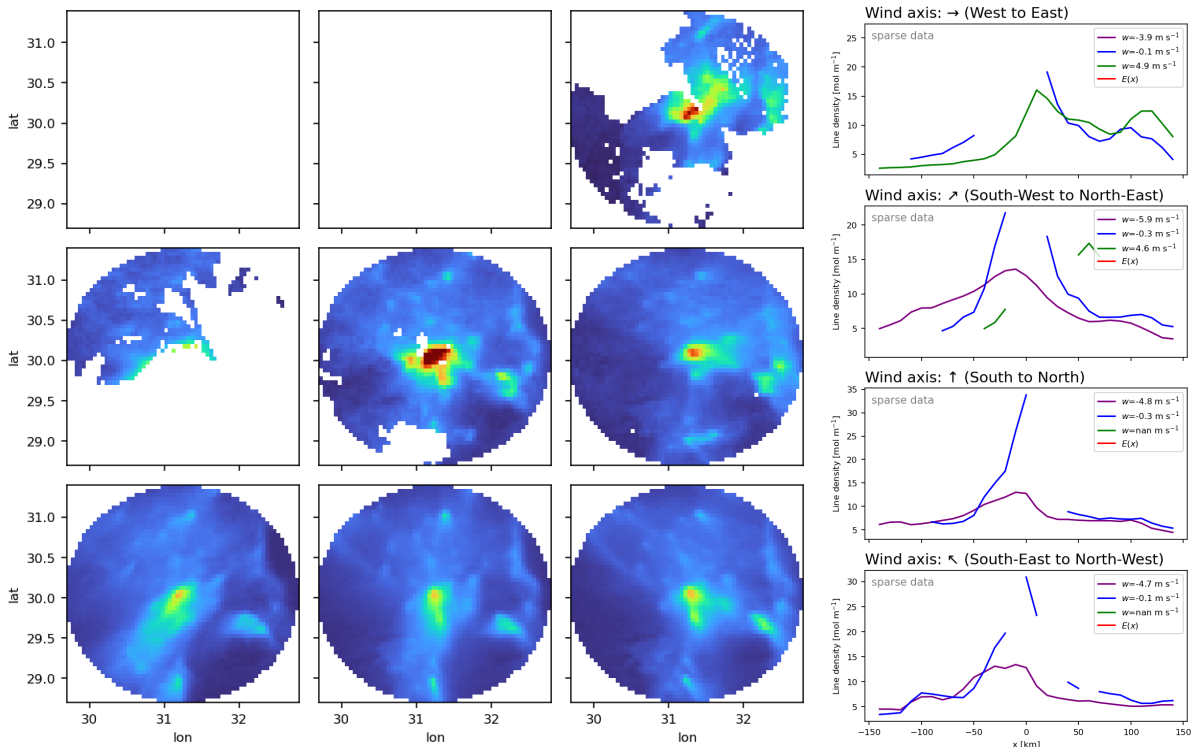
3.2 Spring



3.3 Summer

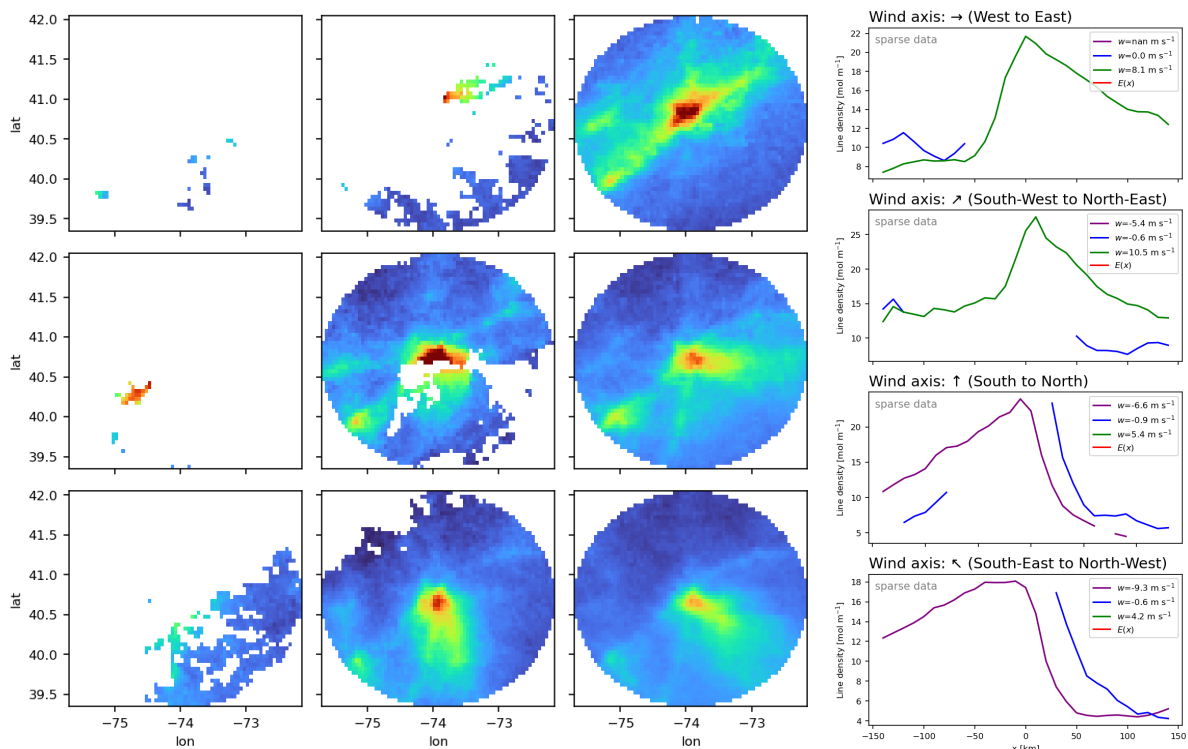


3.4 Autumn

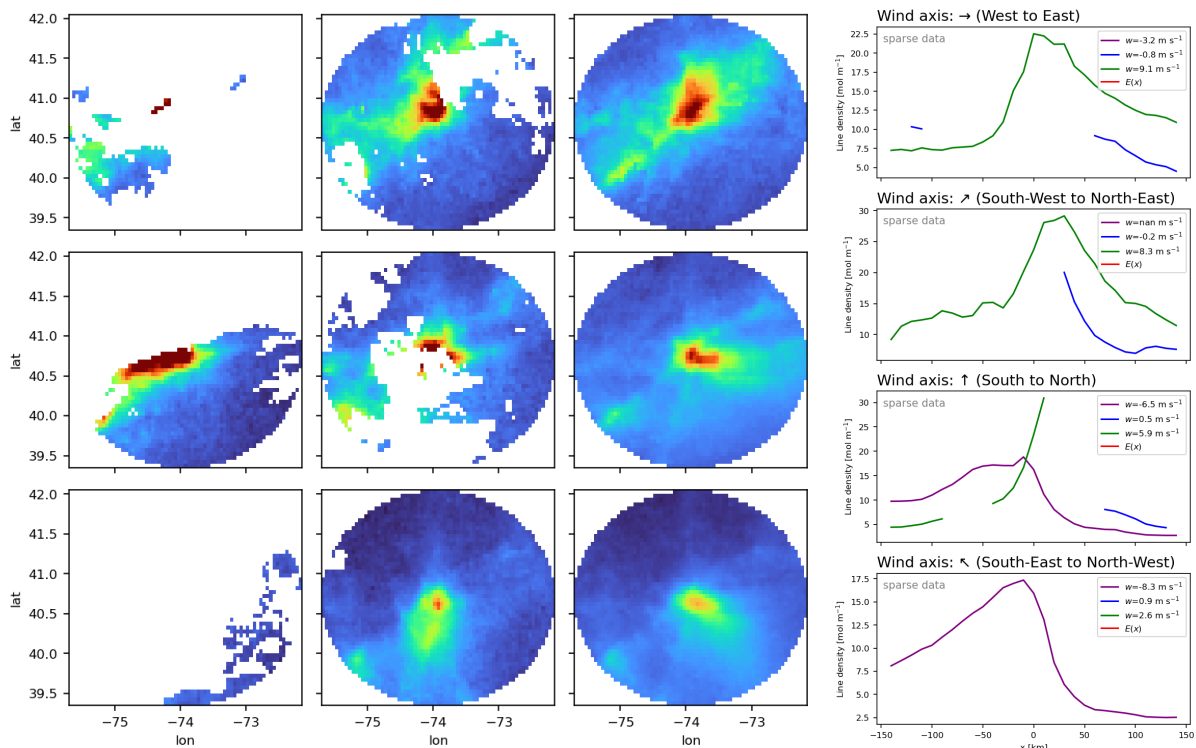


4 New York

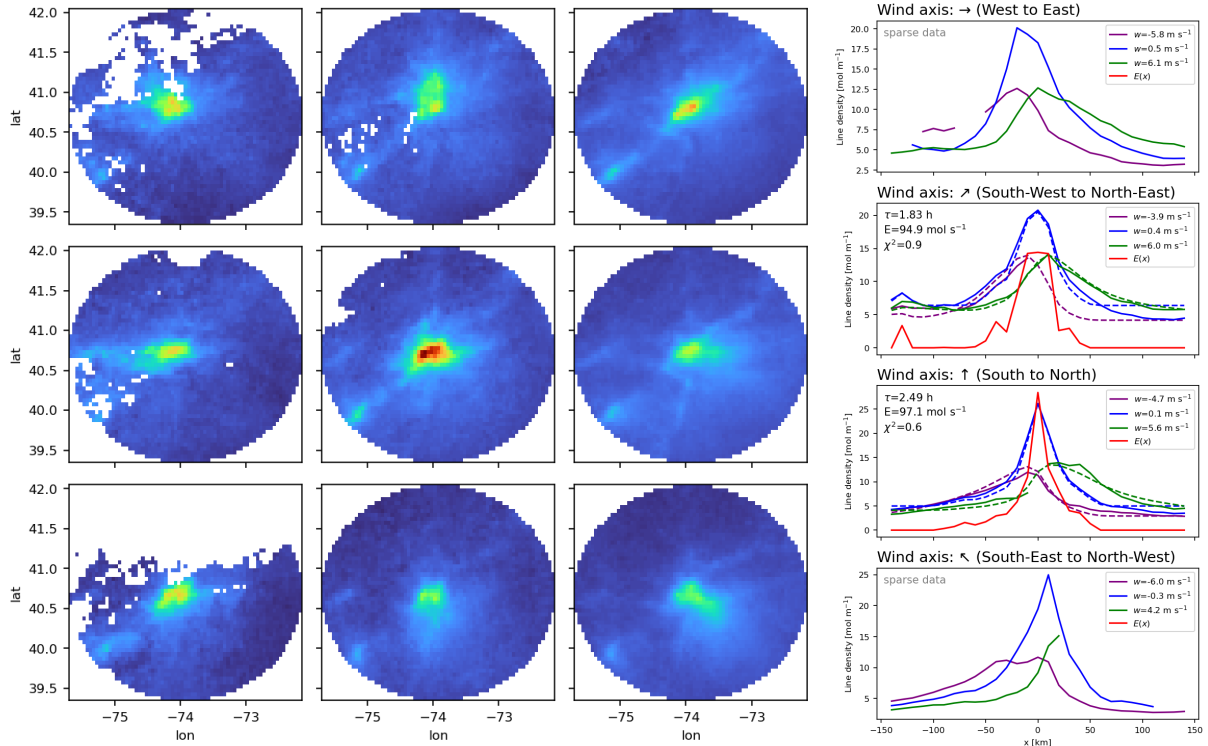
4.1 Winter



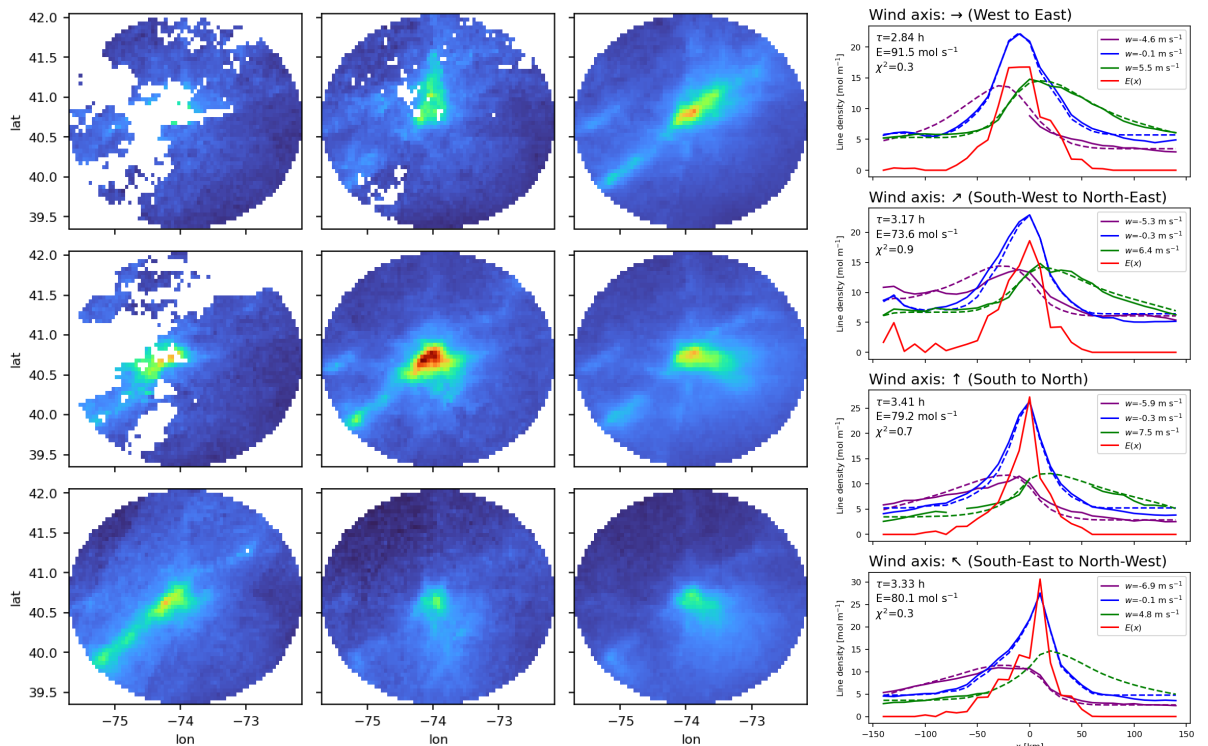
4.2 Spring



4.3 Summer

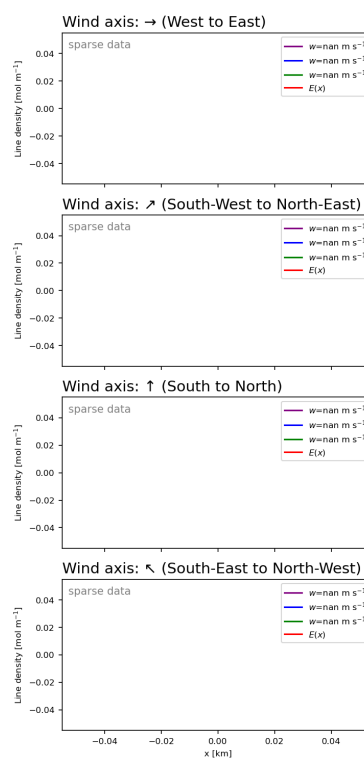
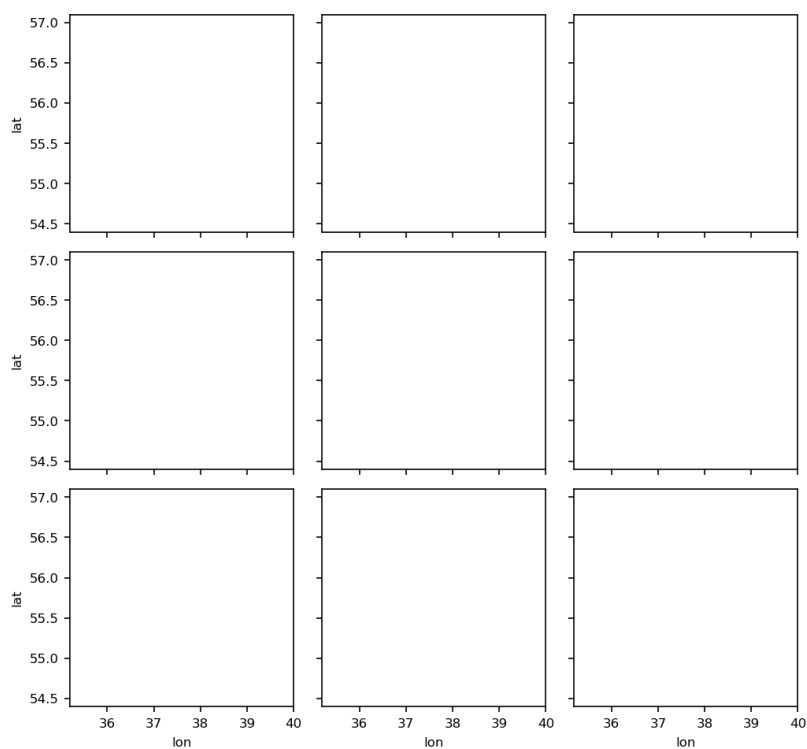


4.4 Autumn

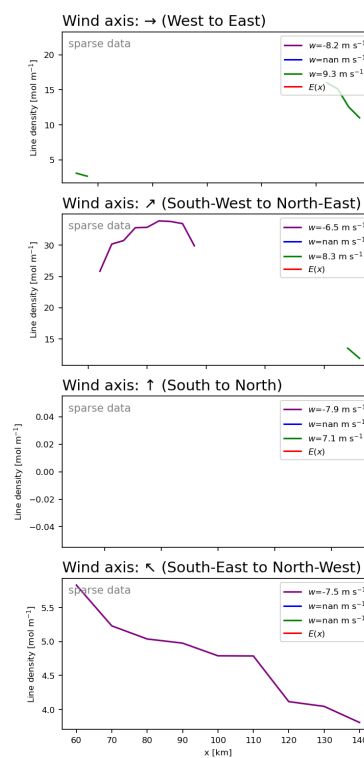
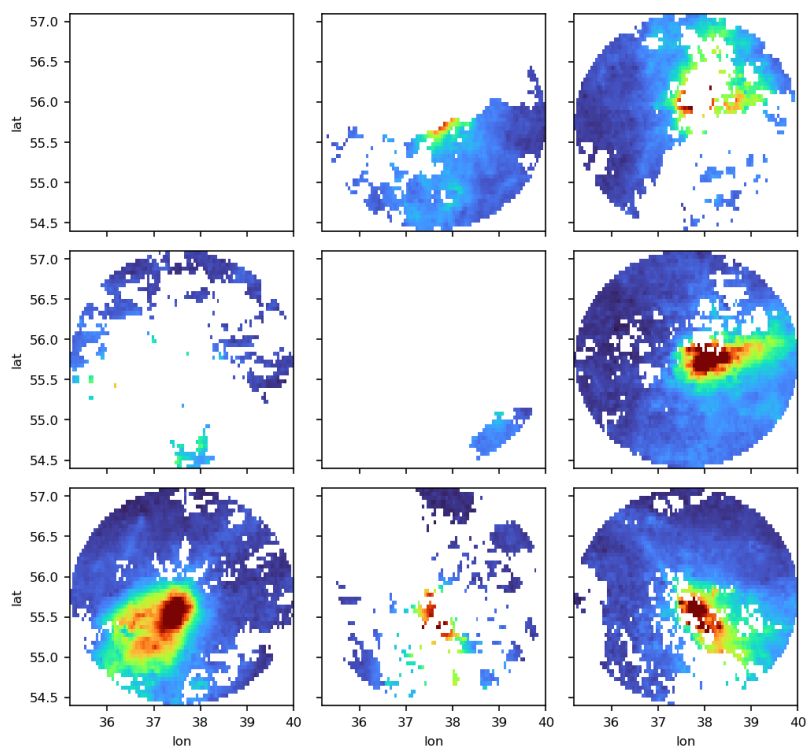


5 Moscow

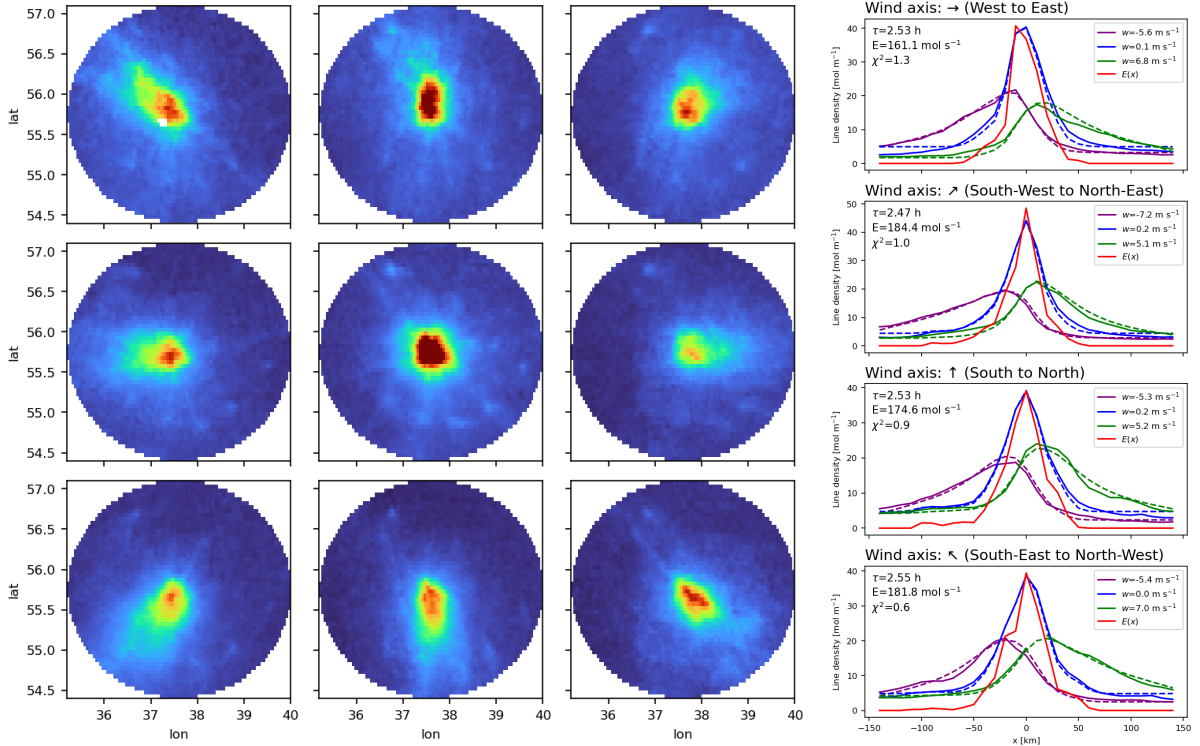
5.1 Winter



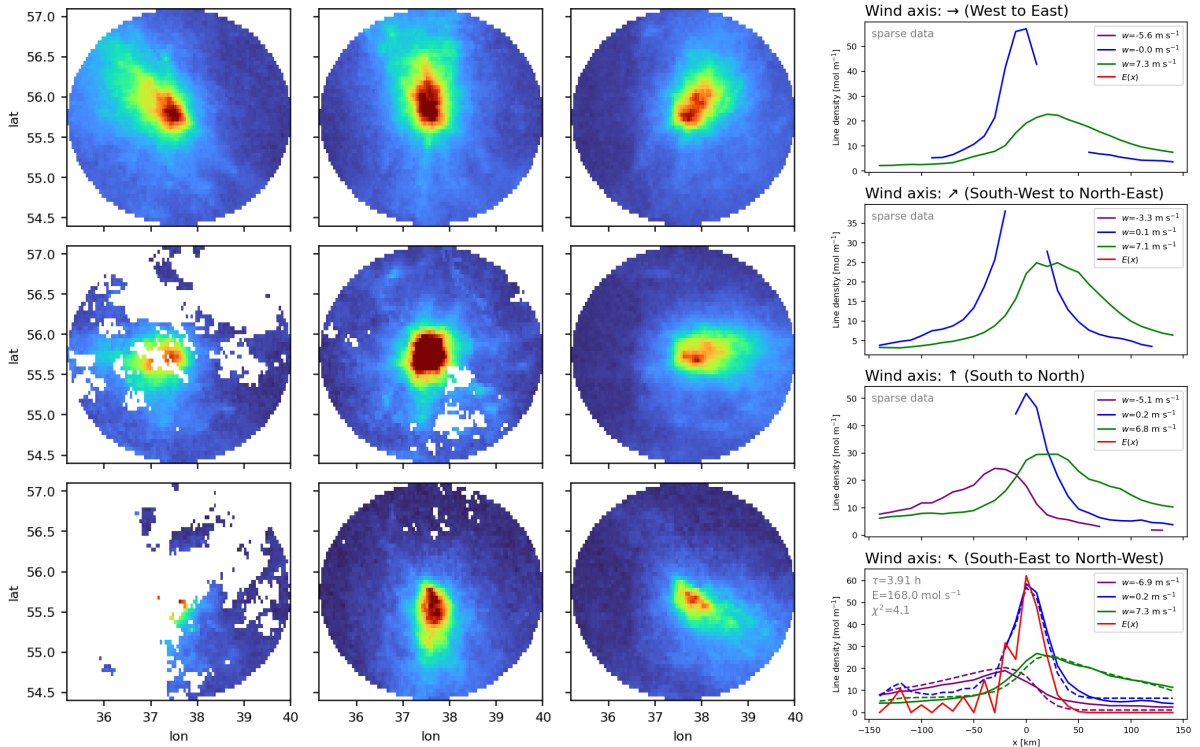
5.2 Spring



5.3 Summer

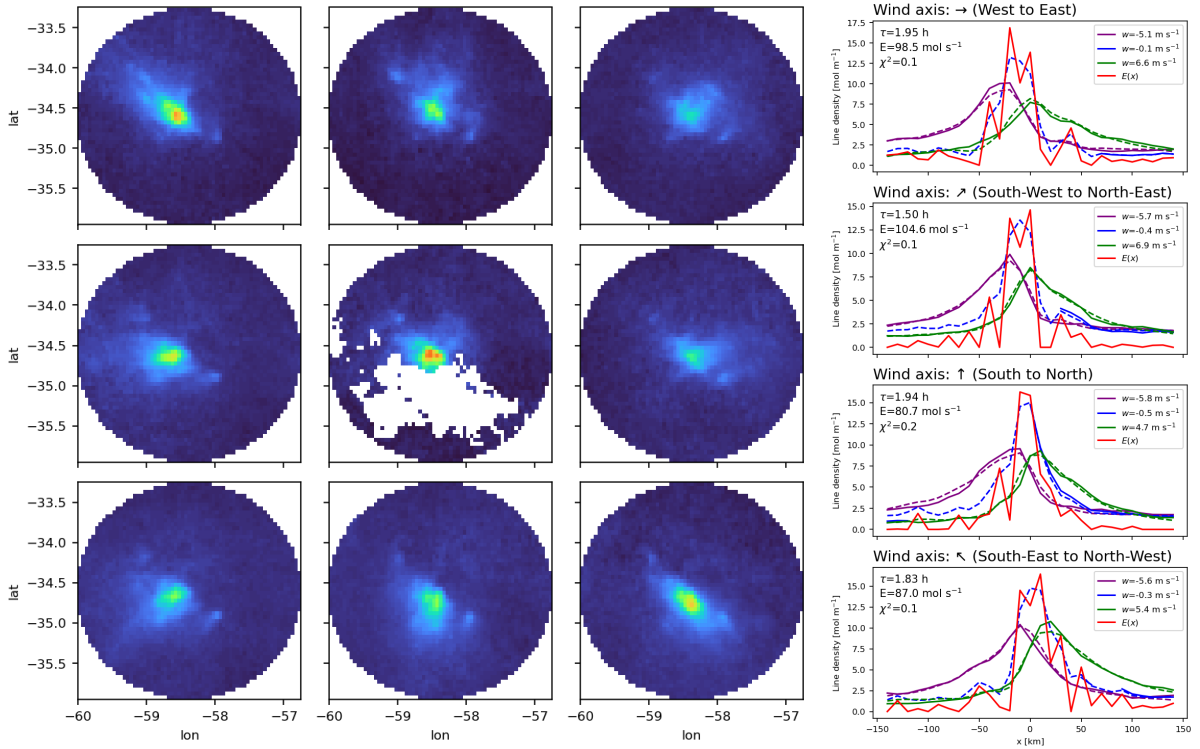


5.4 Autumn

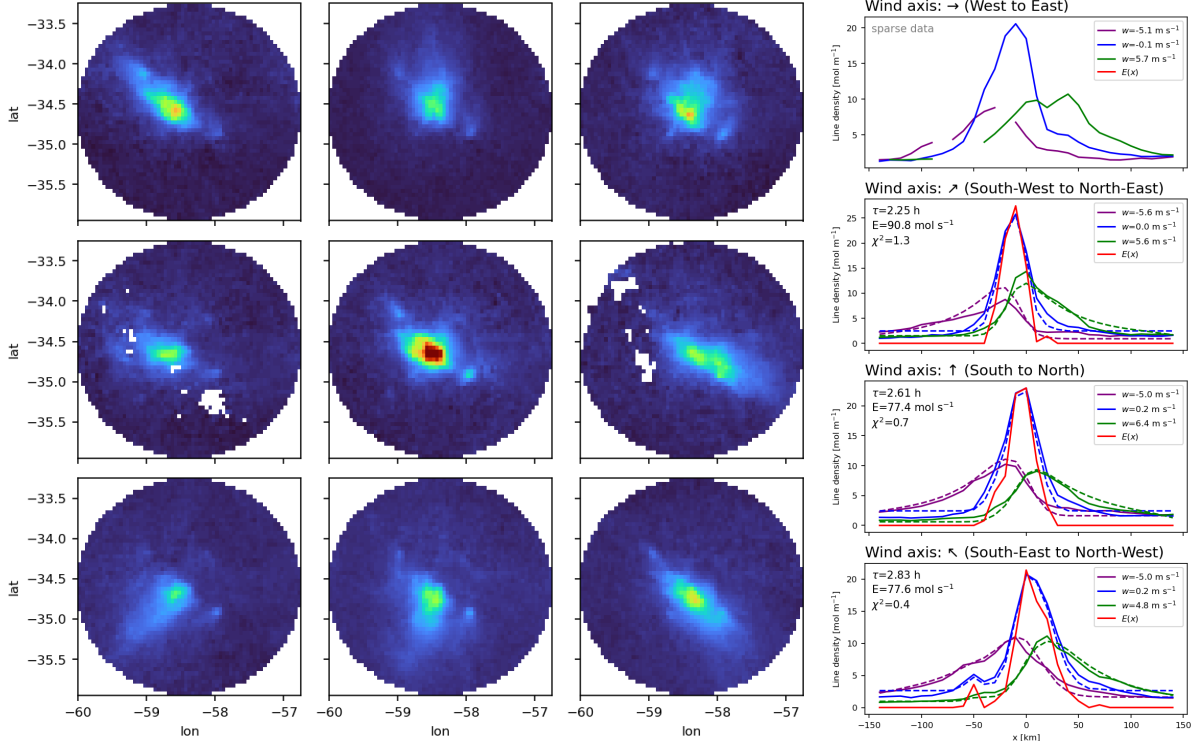


6 Buenos Aires

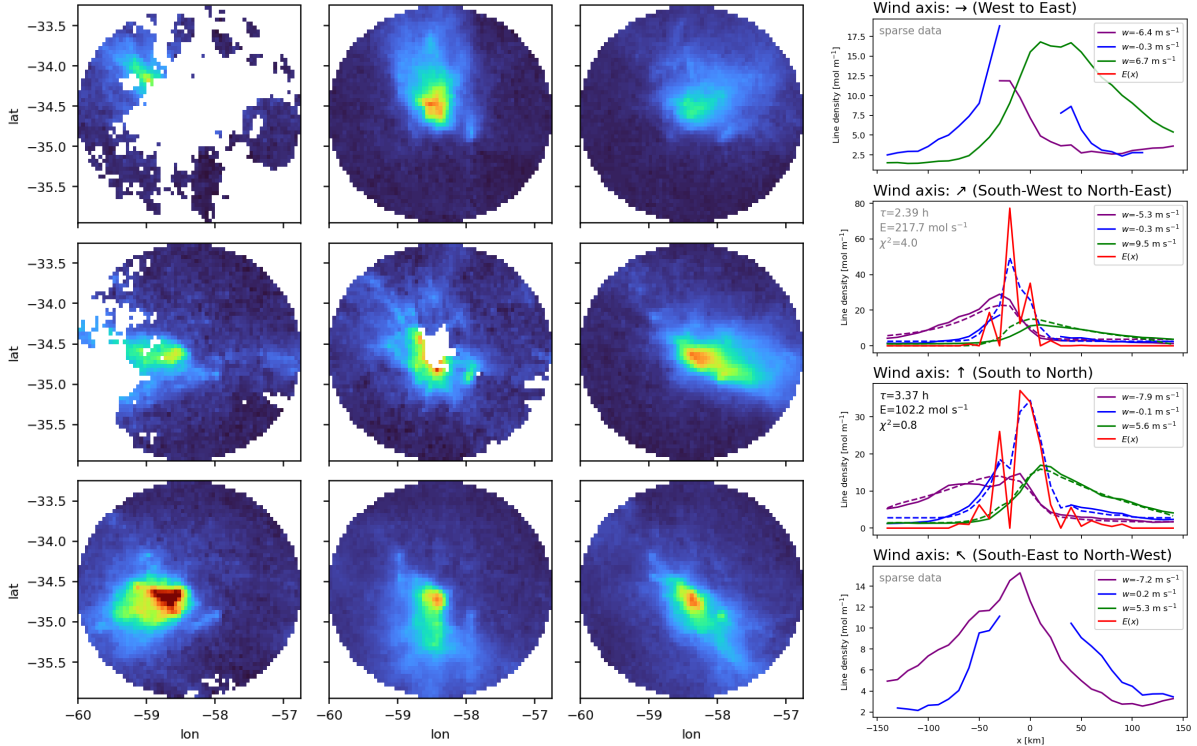
6.1 Winter



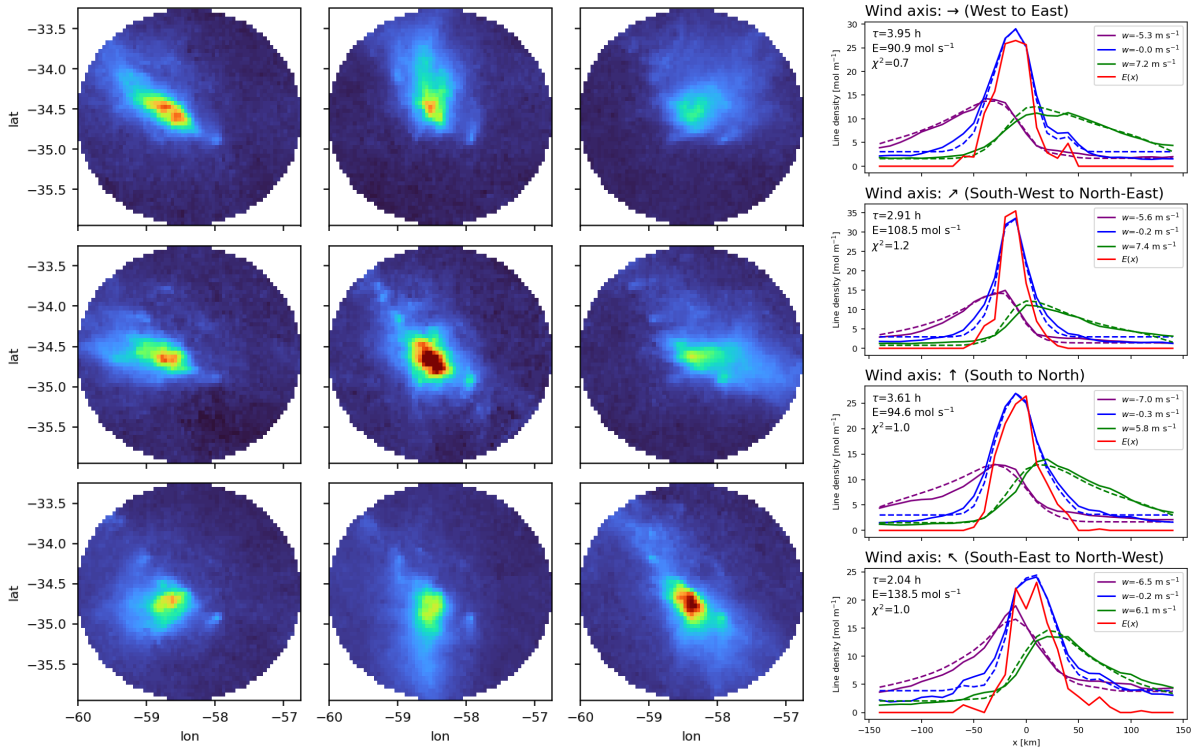
6.2 Spring



6.3 Summer

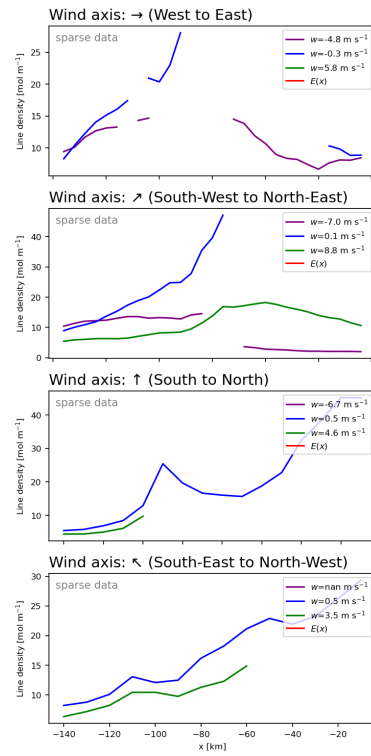
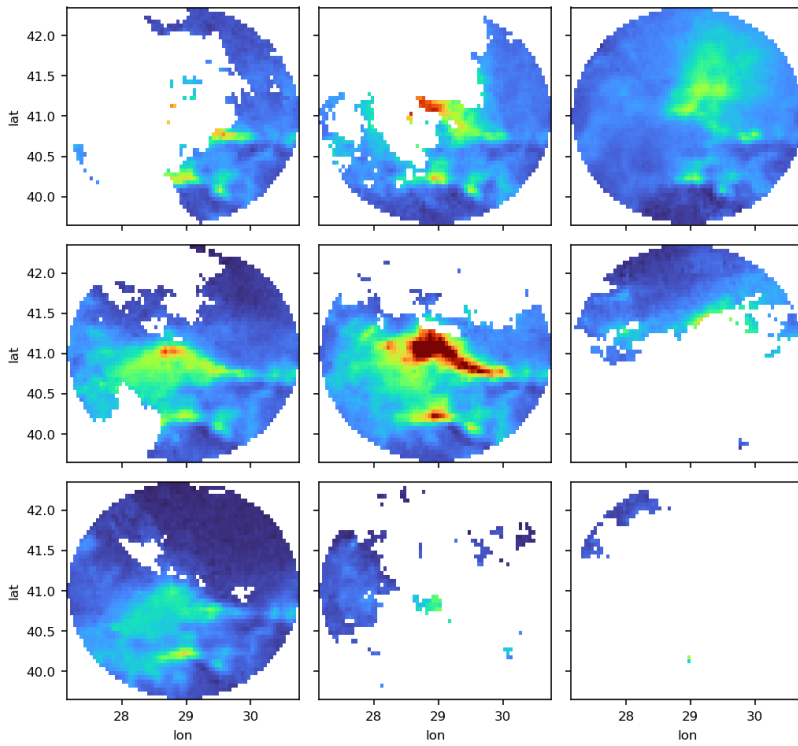


6.4 Autumn

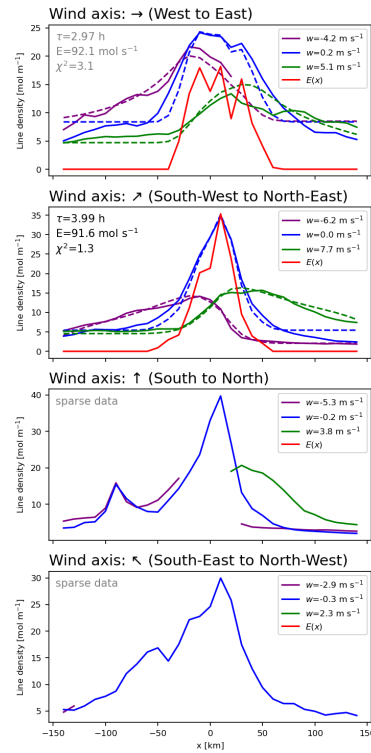
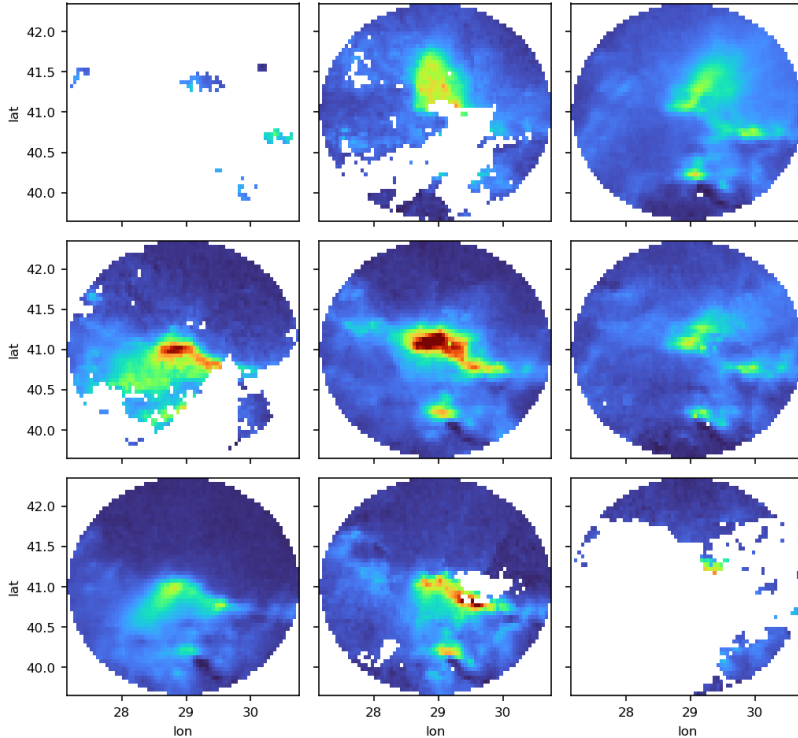


7 Istanbul

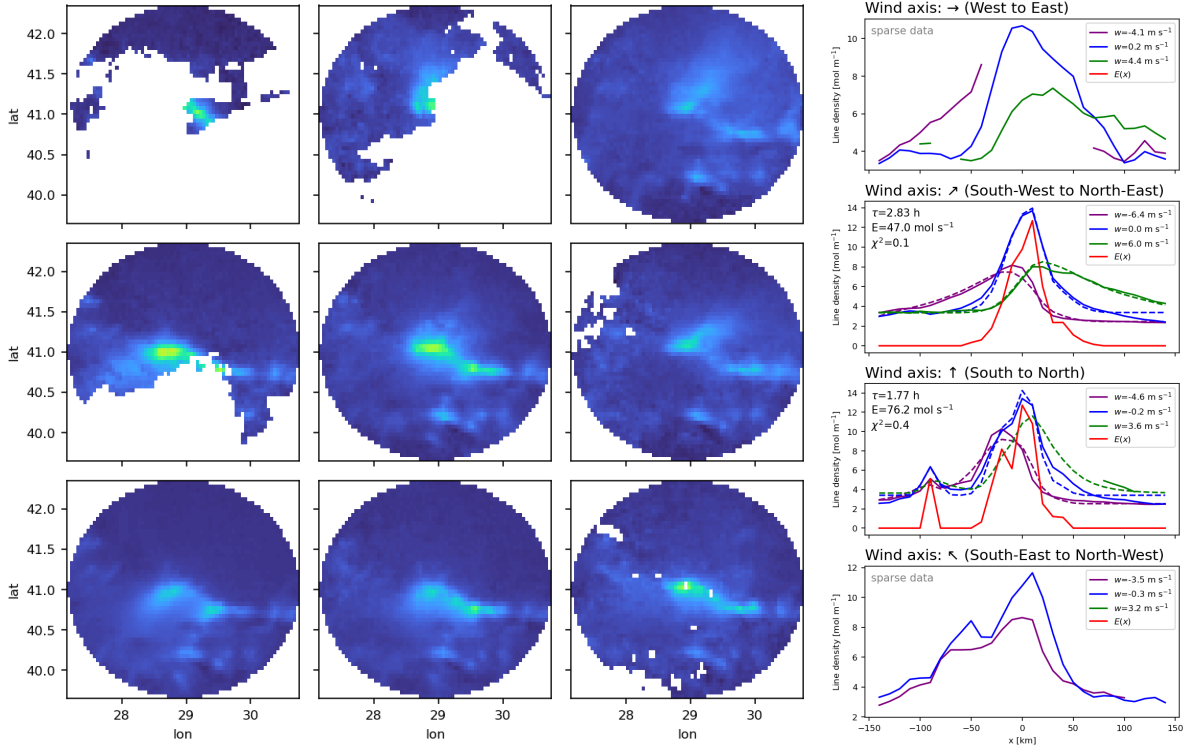
7.1 Winter



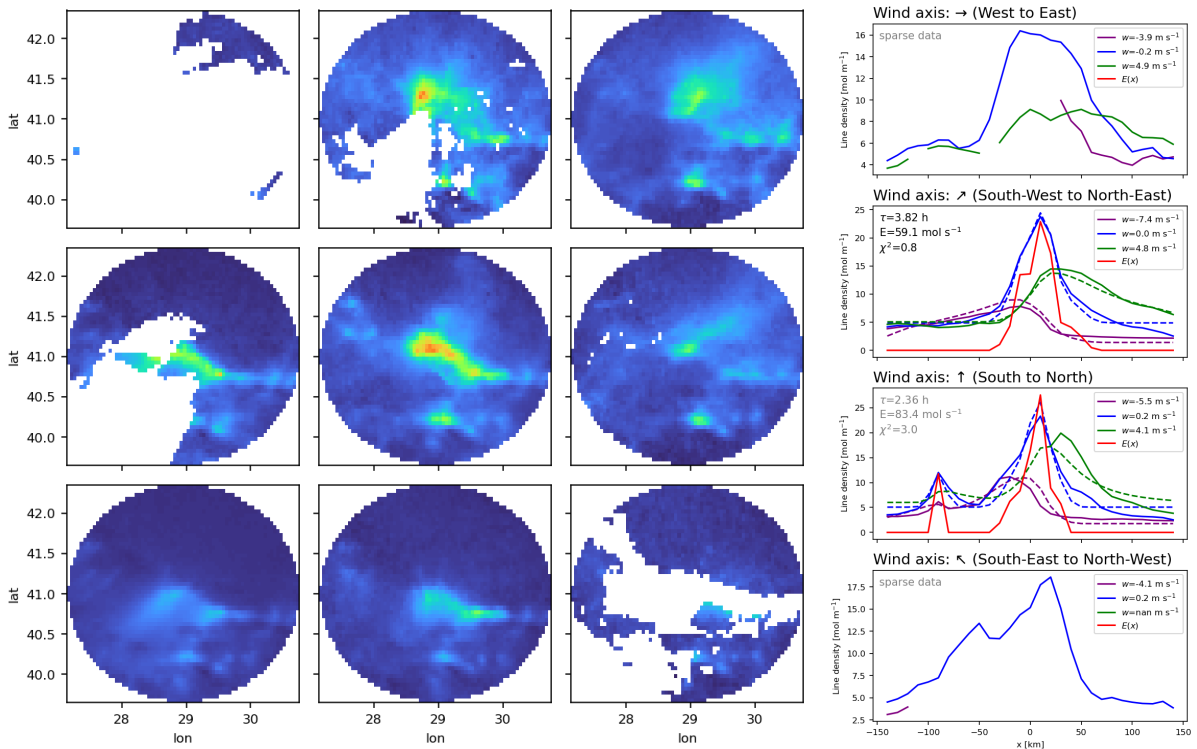
7.2 Spring



7.3 Summer

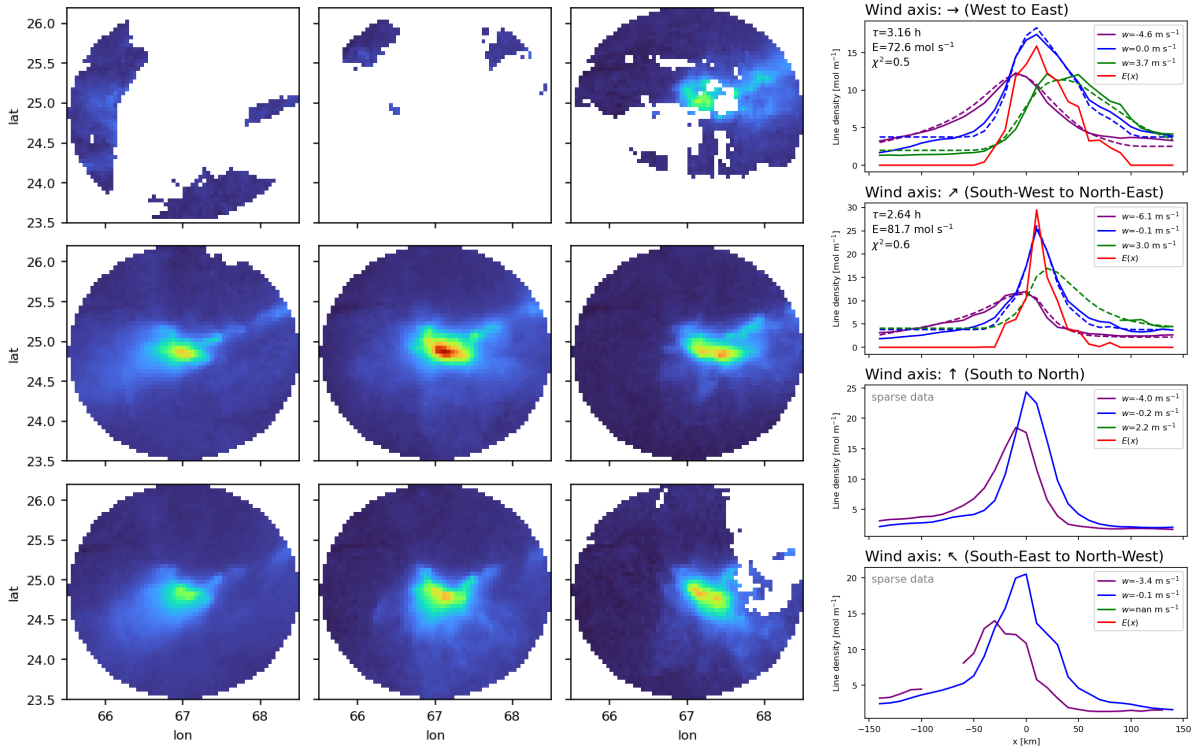


7.4 Autumn

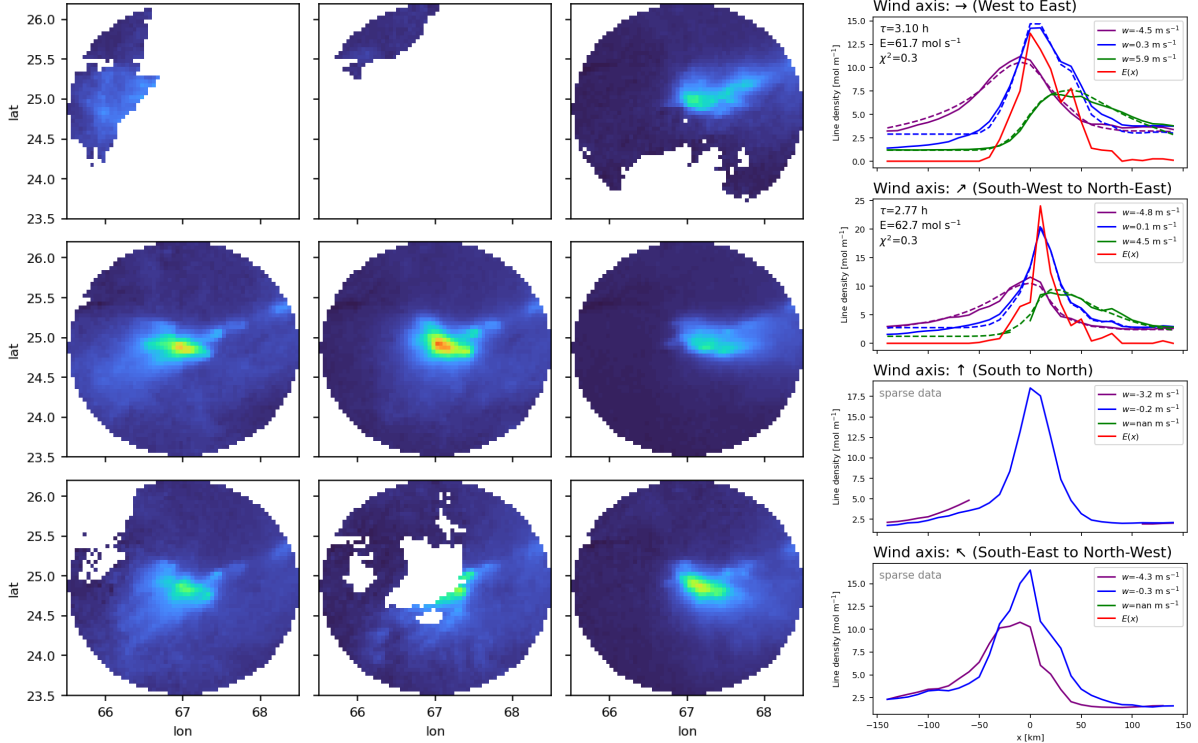


8 Karachi

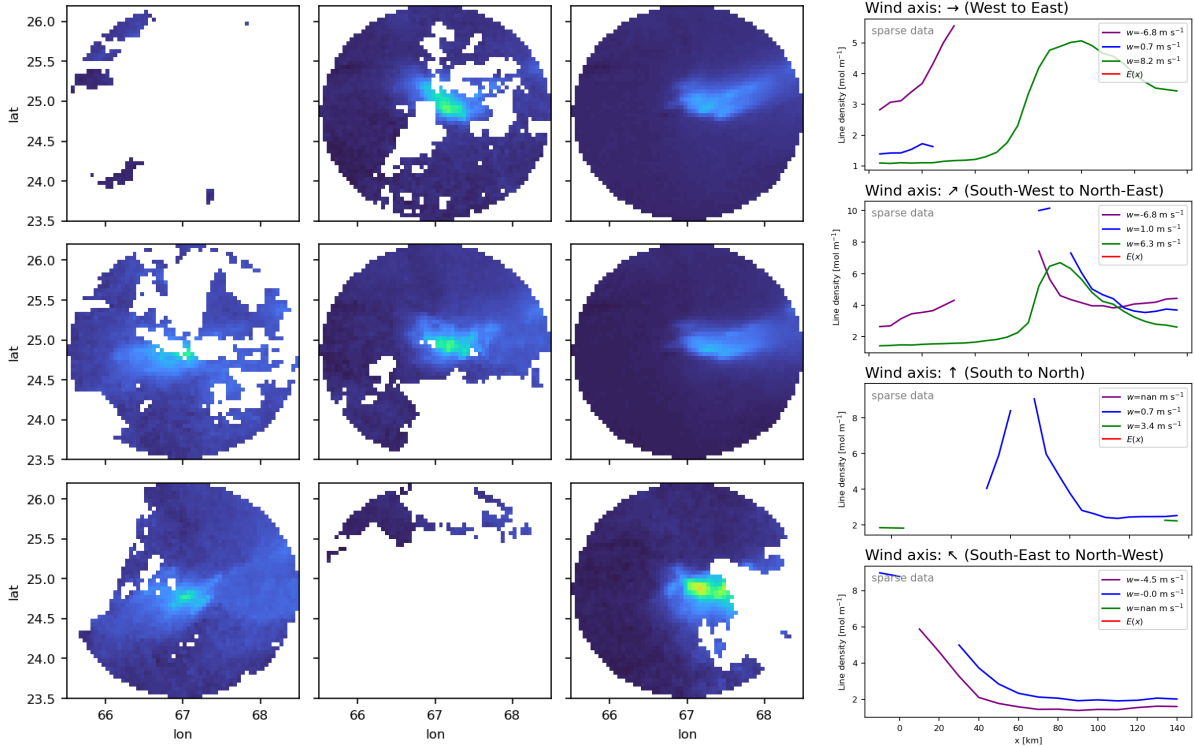
8.1 Winter



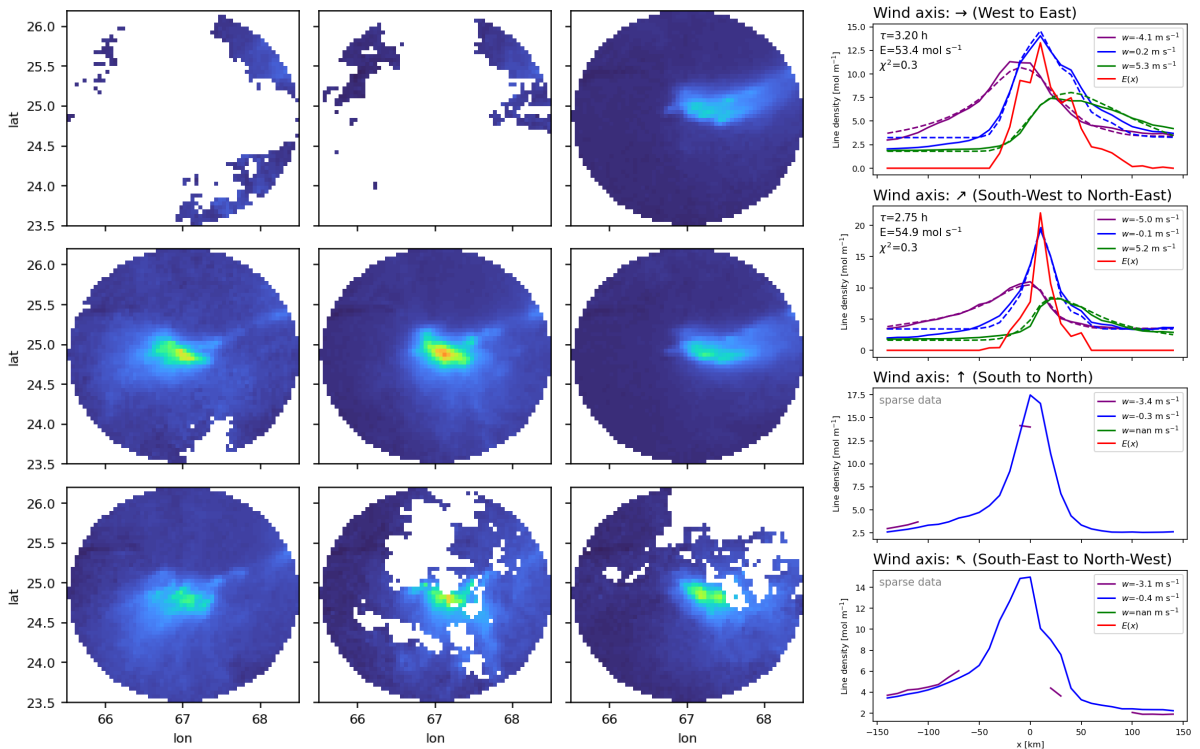
8.2 Spring



8.3 Summer

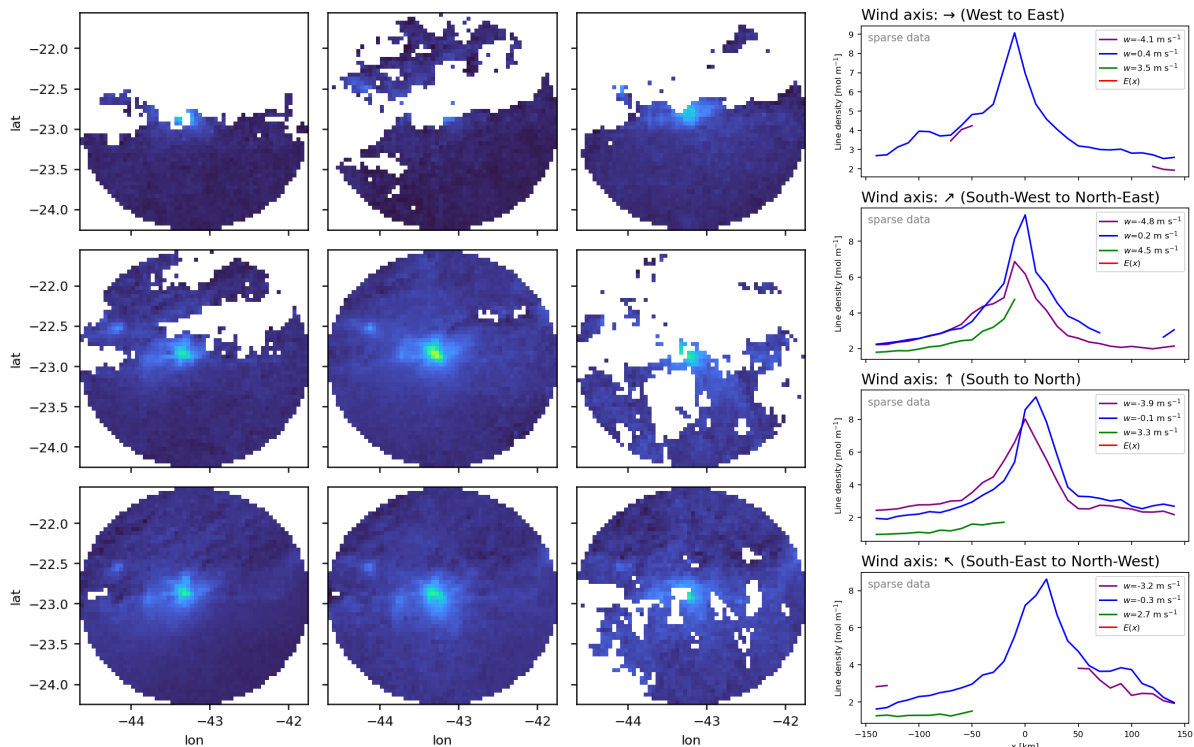


8.4 Autumn

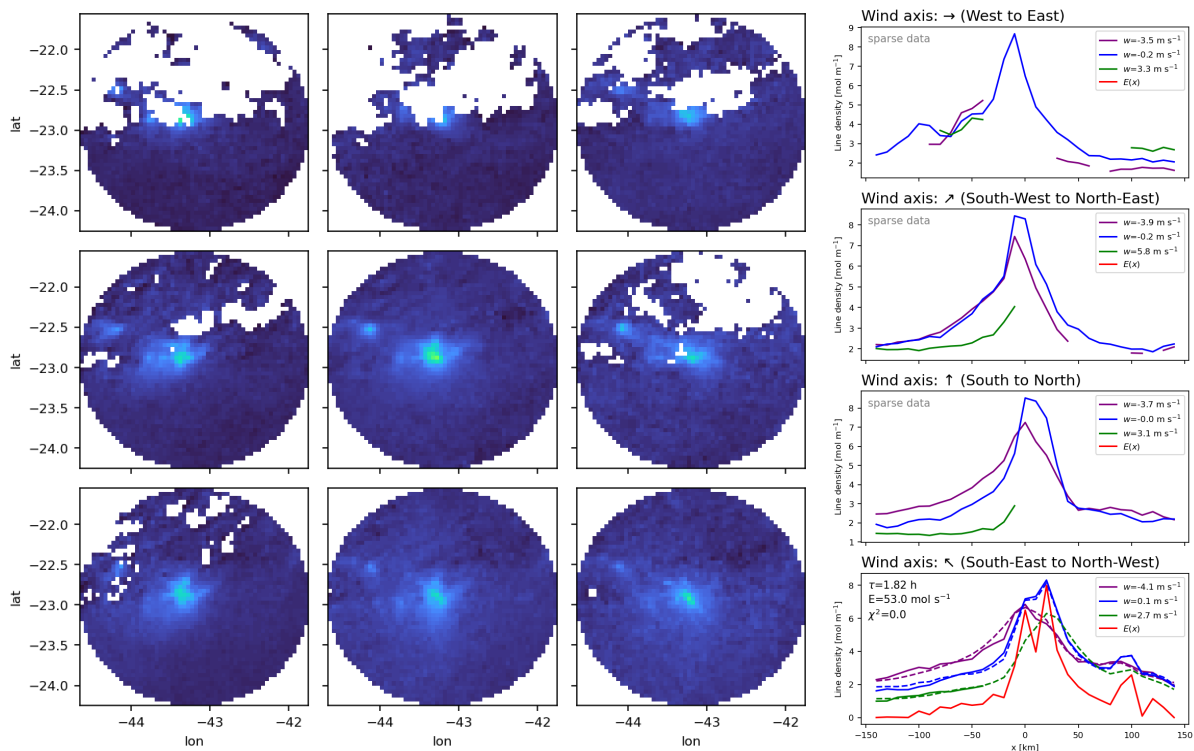


9 Rio de Janeiro

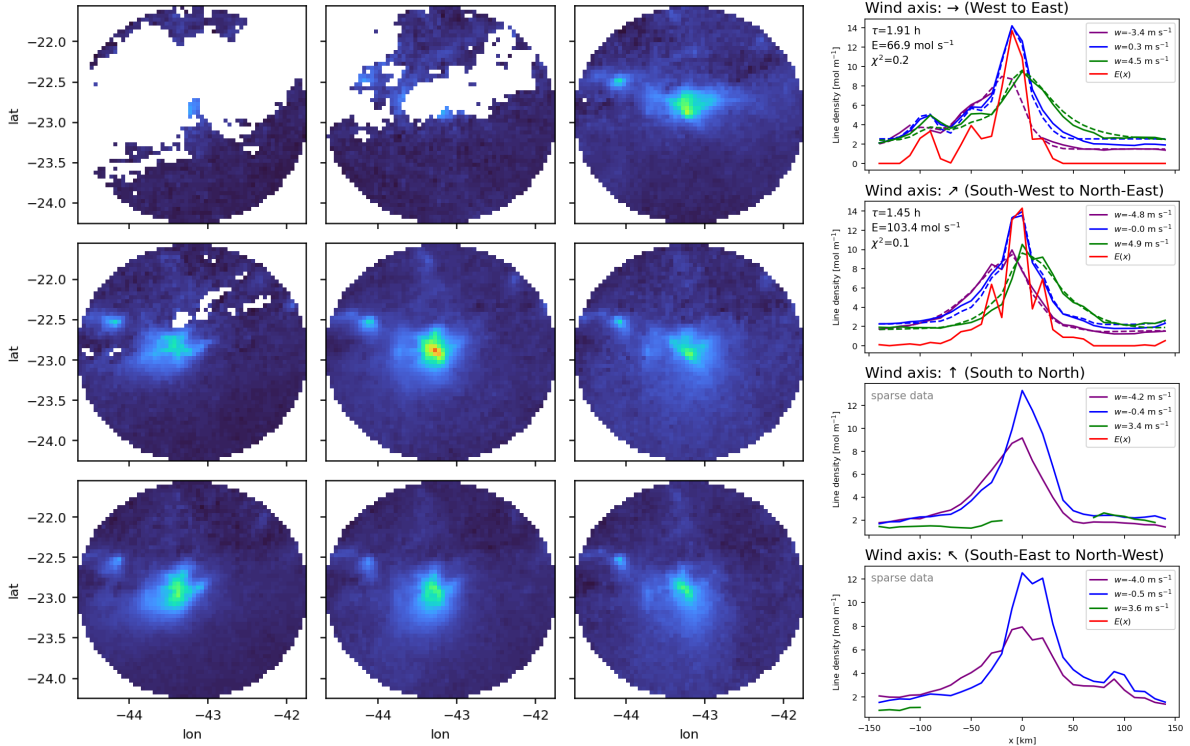
9.1 Winter



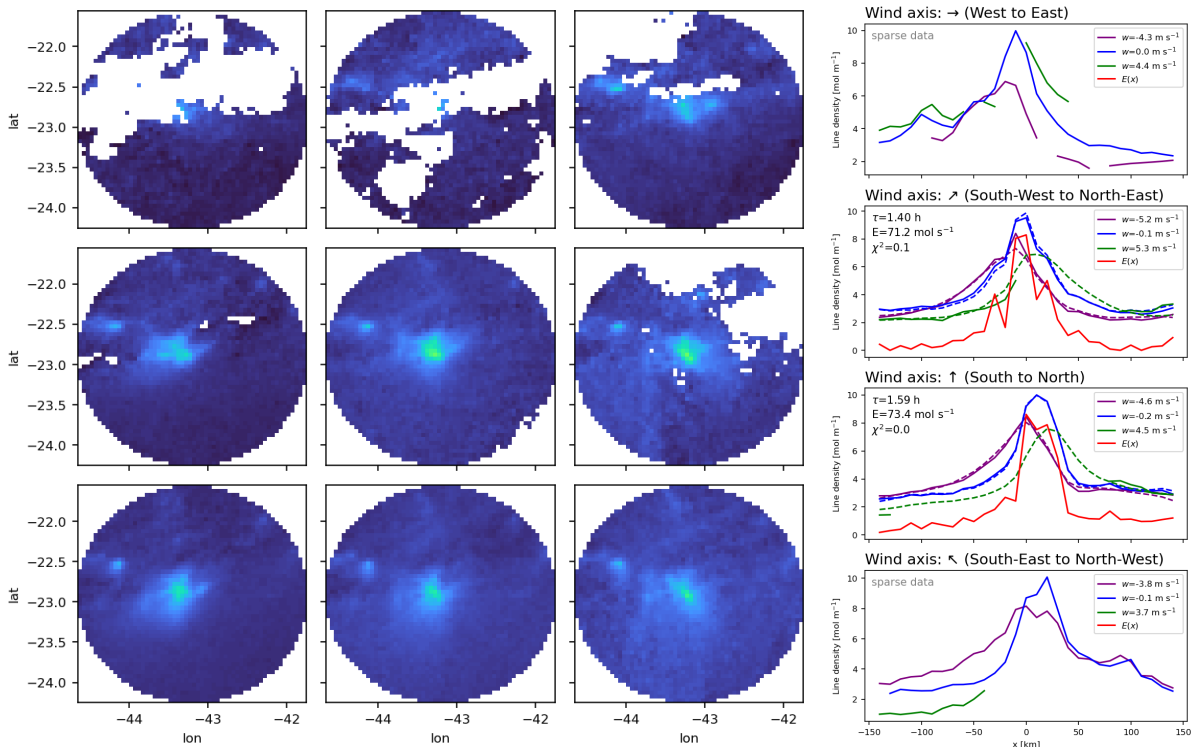
9.2 Spring



9.3 Summer

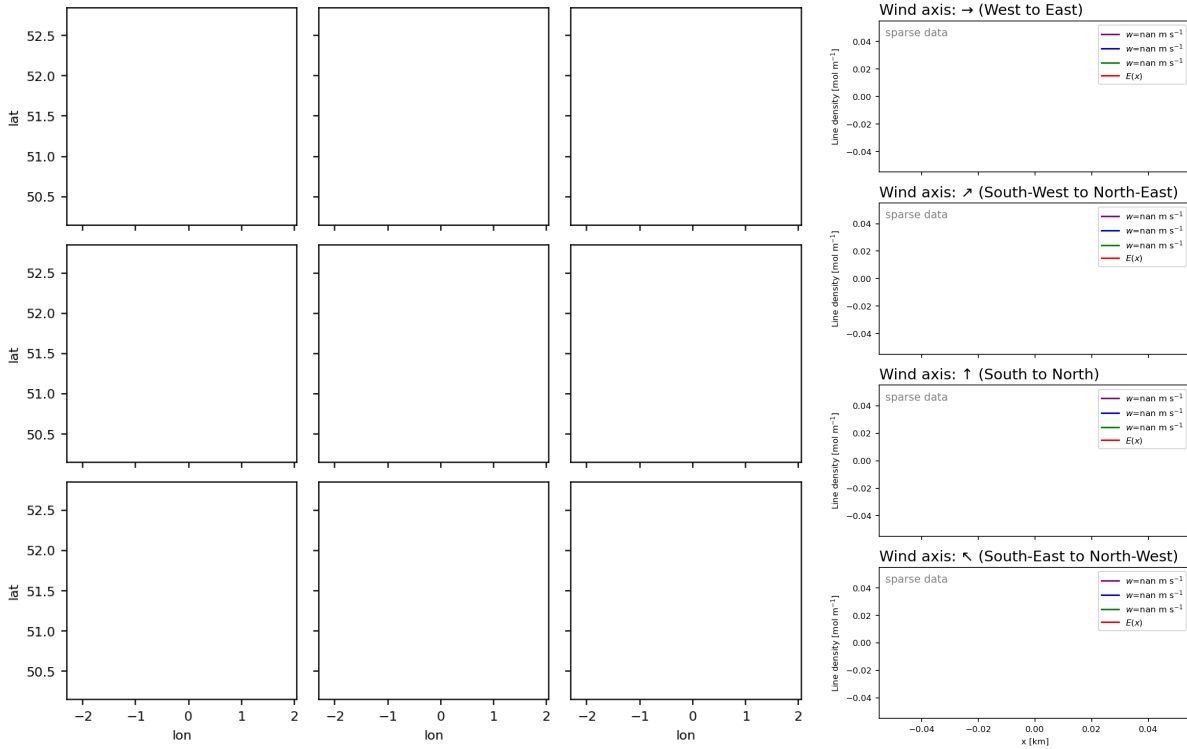


9.4 Autumn

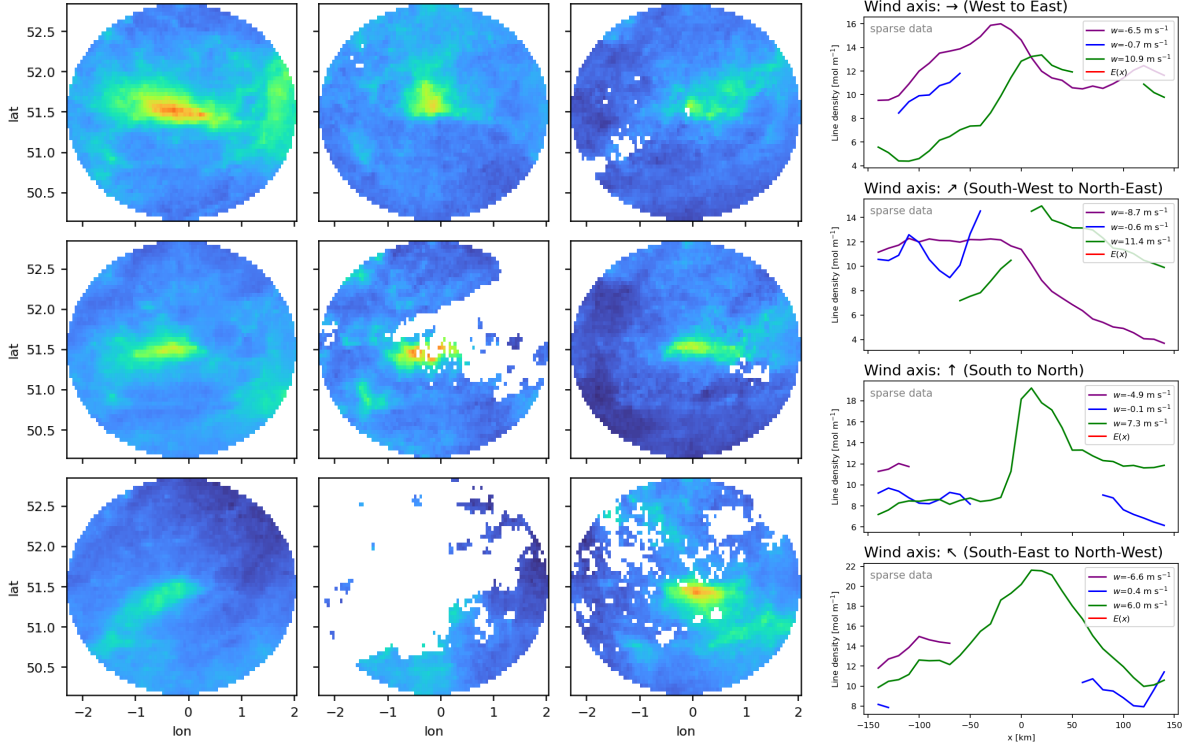


10 London

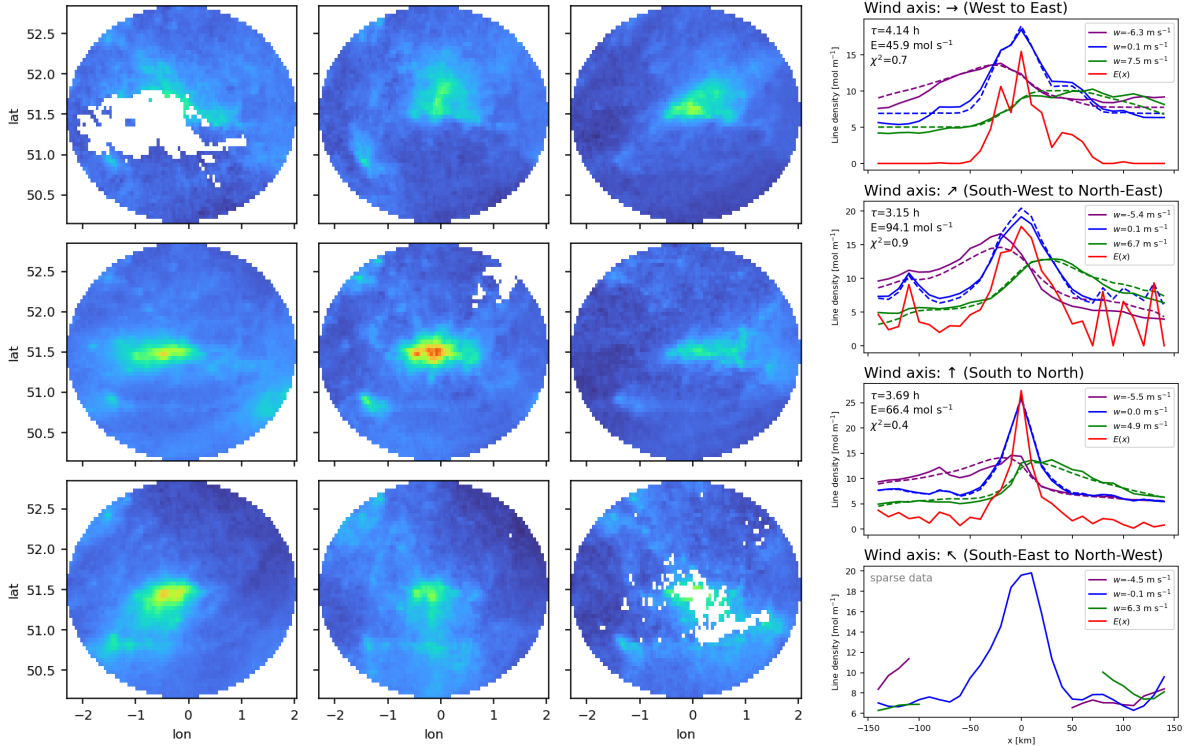
10.1 Winter



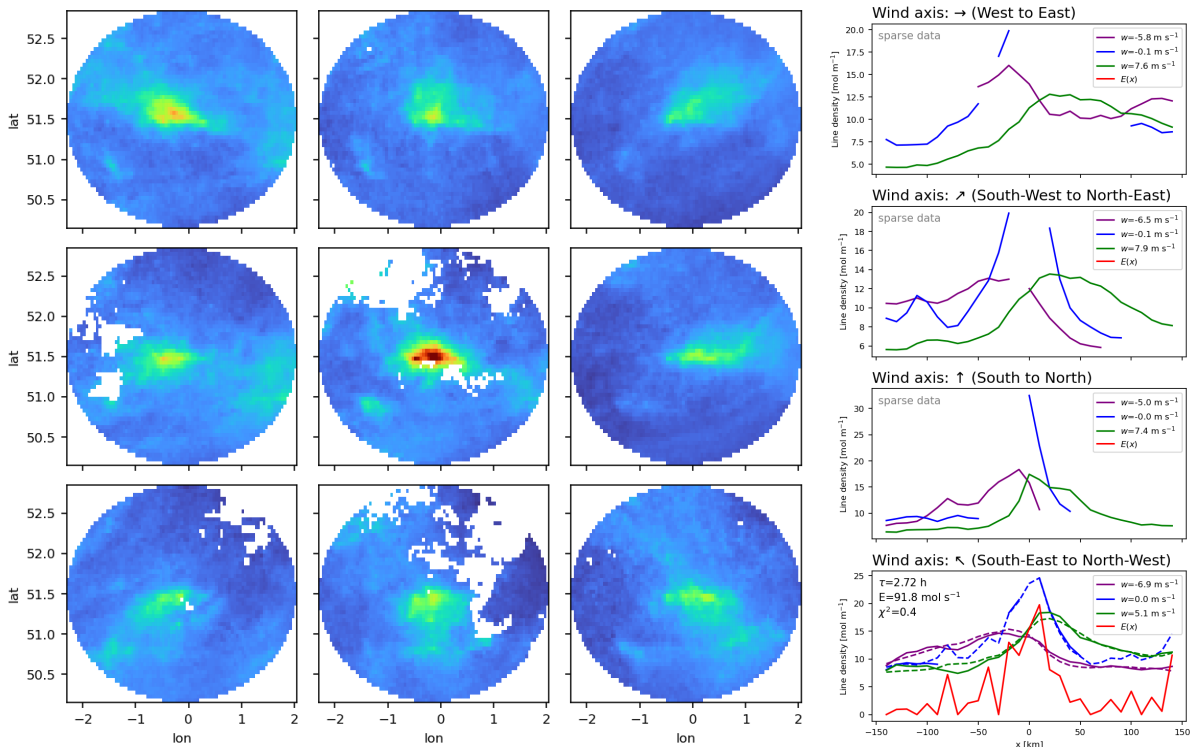
10.2 Spring



10.3 Summer

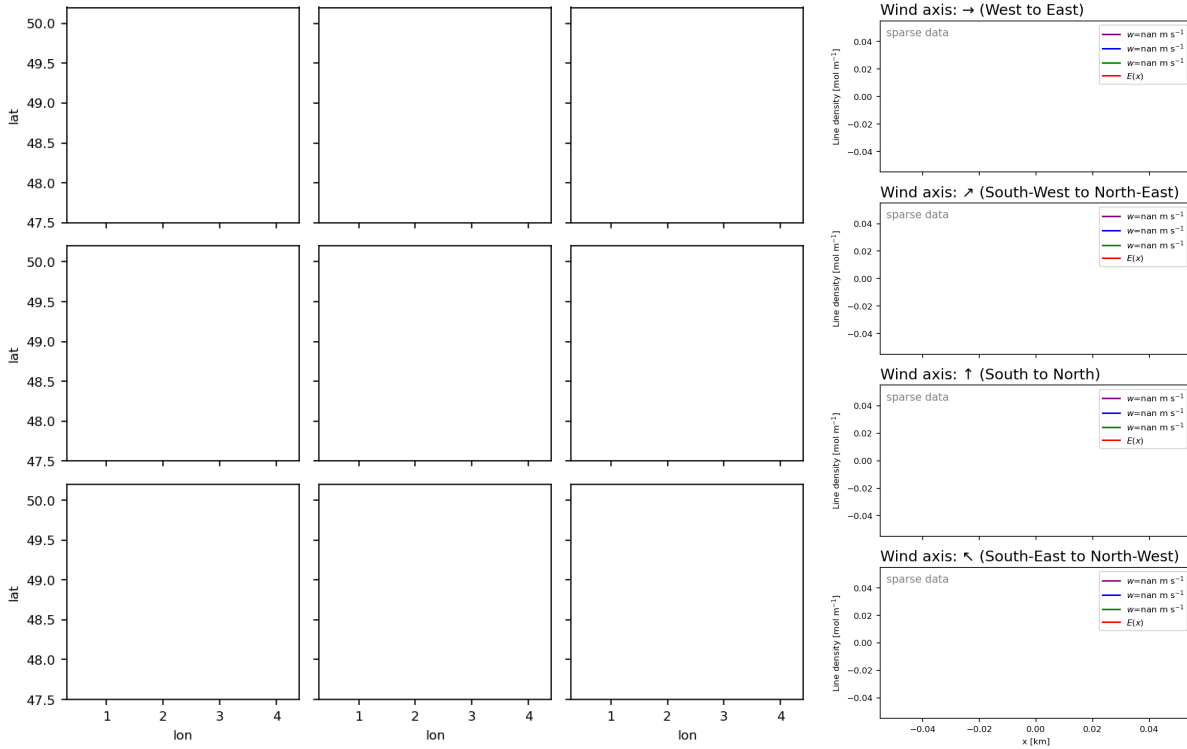


10.4 Autumn

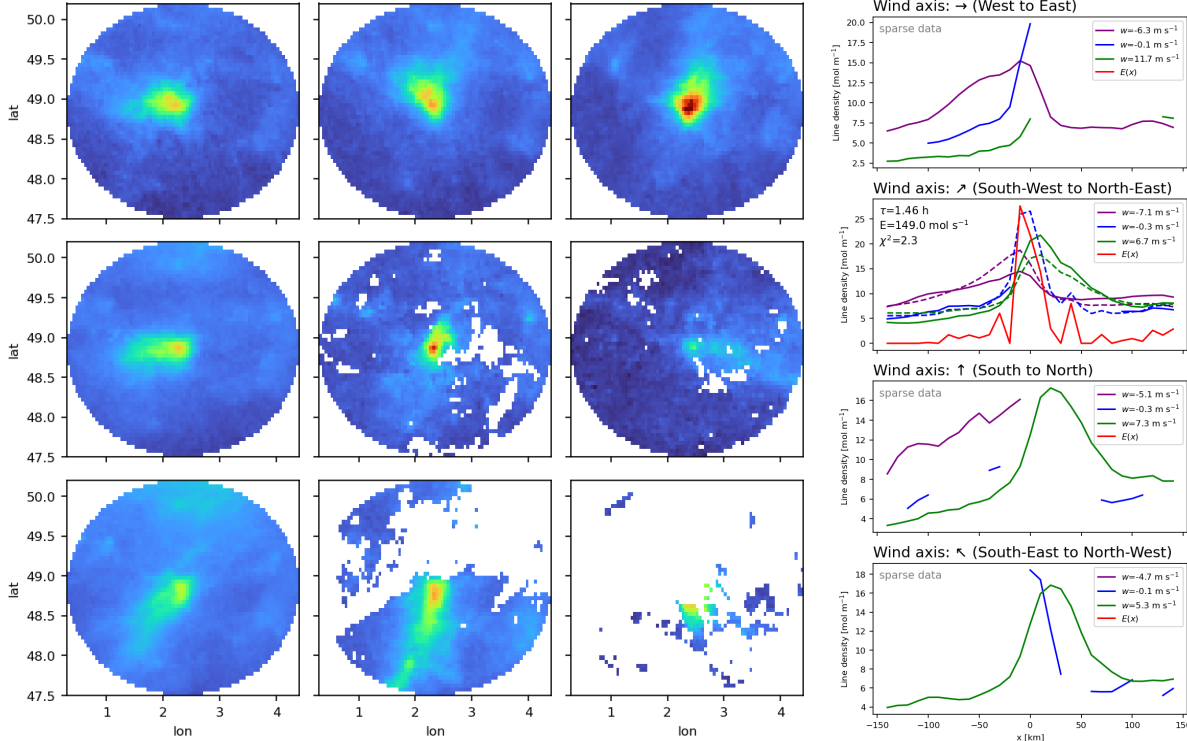


11 Paris

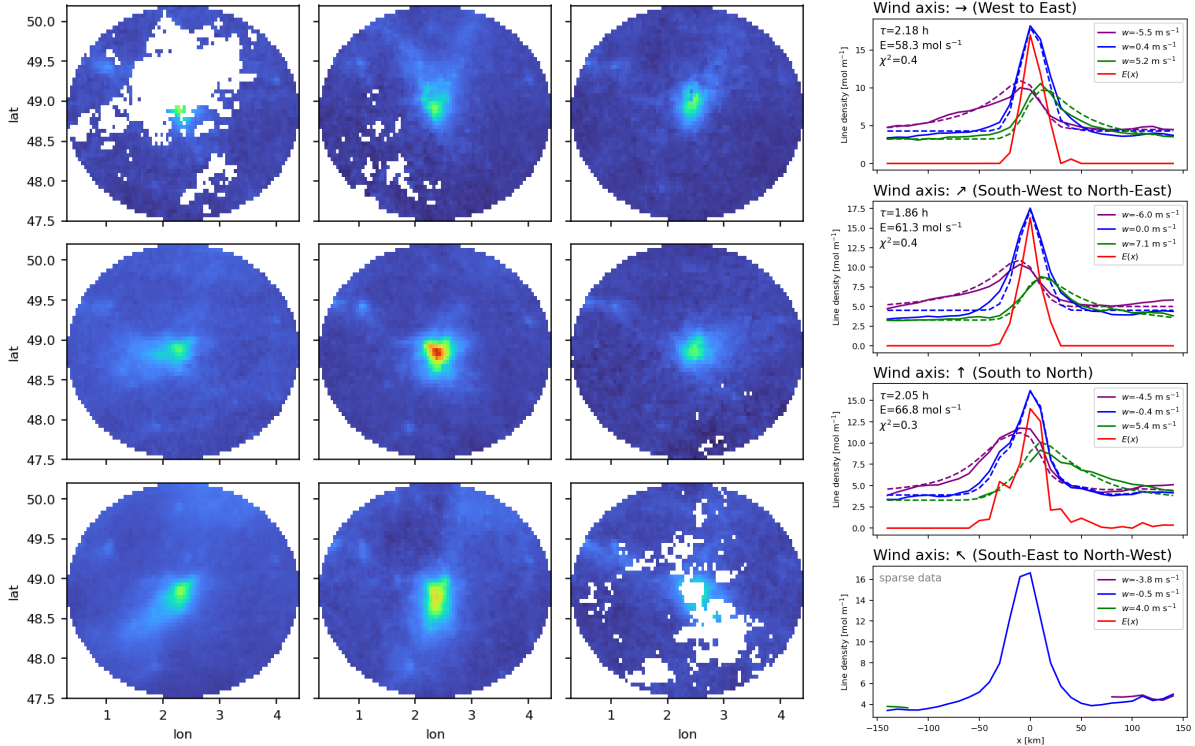
11.1 Winter



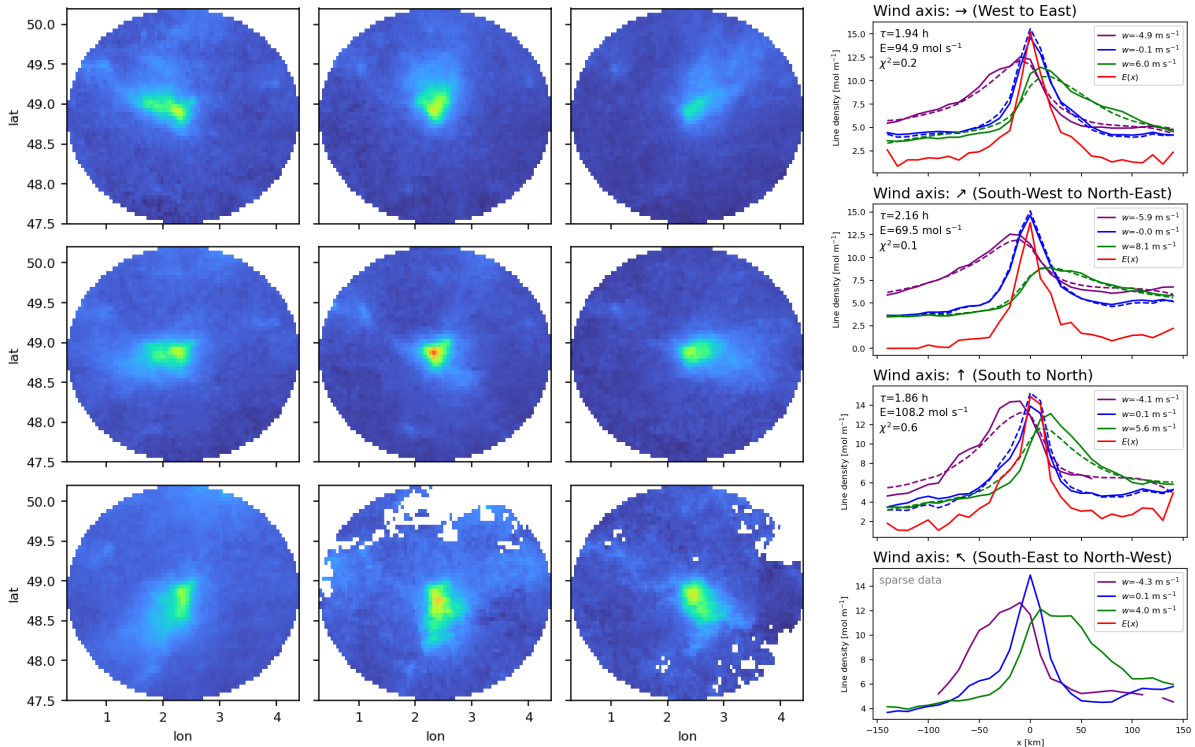
11.2 Spring



11.3 Summer

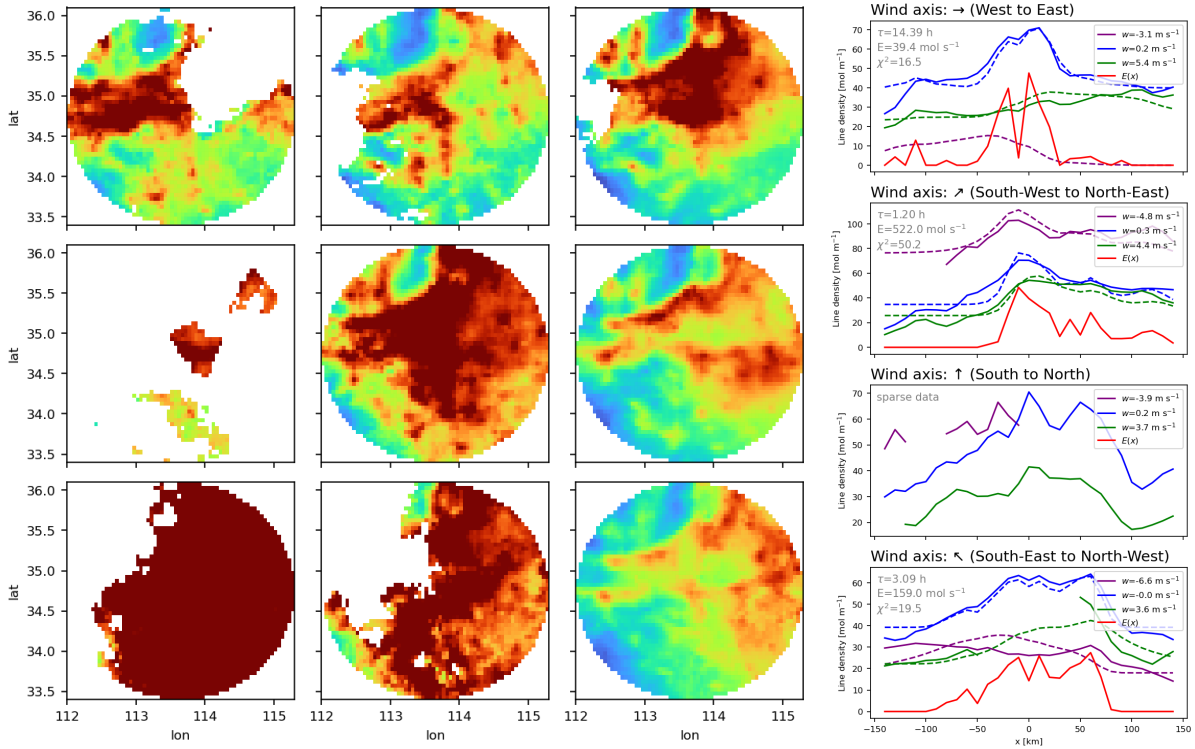


11.4 Autumn

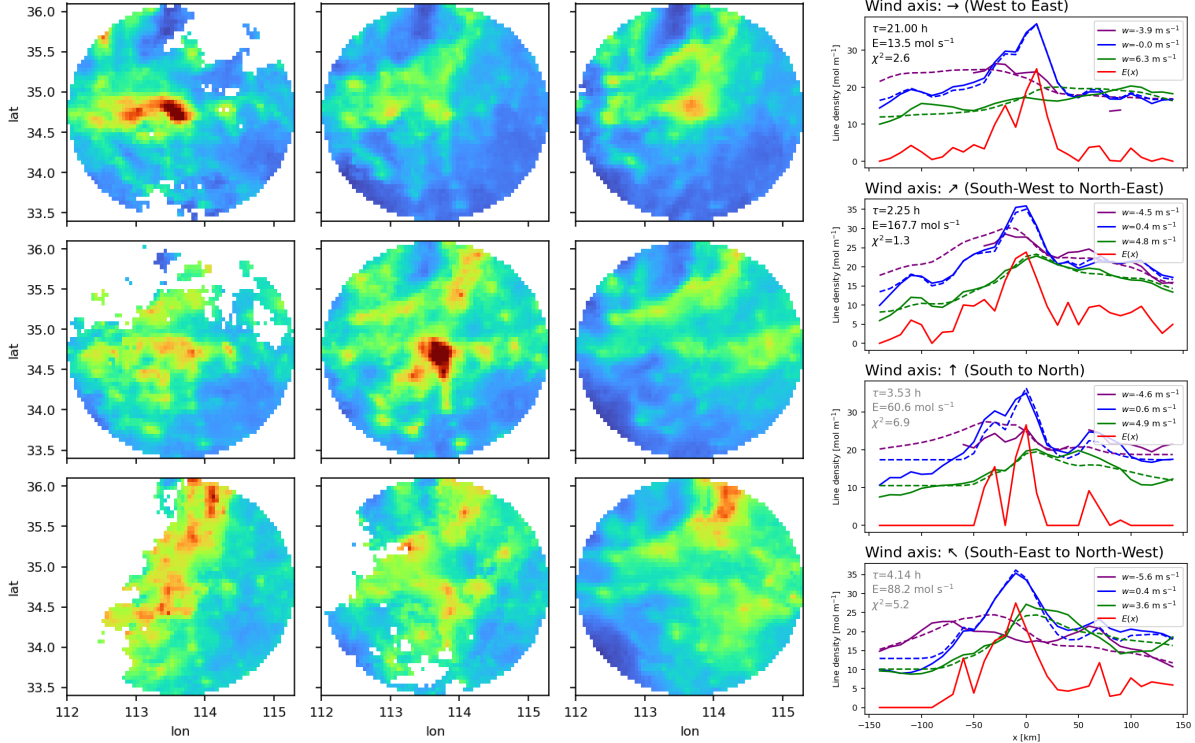


12 Zhengzhou

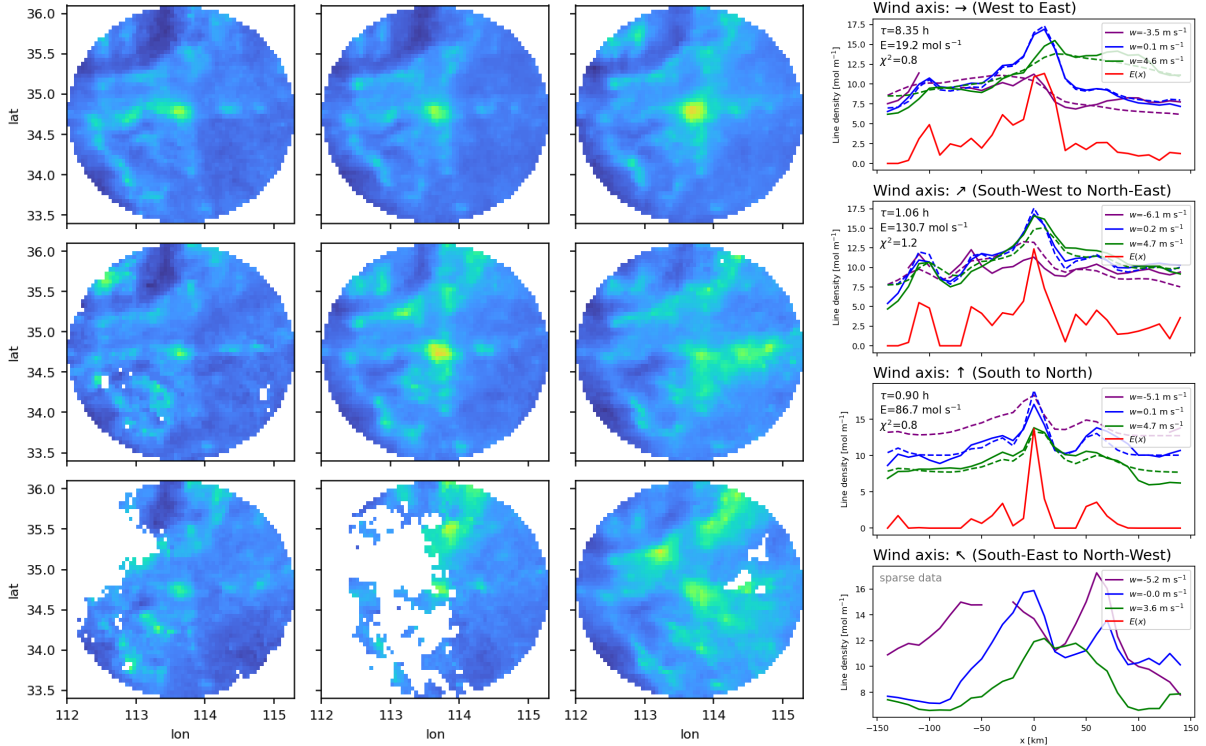
12.1 Winter



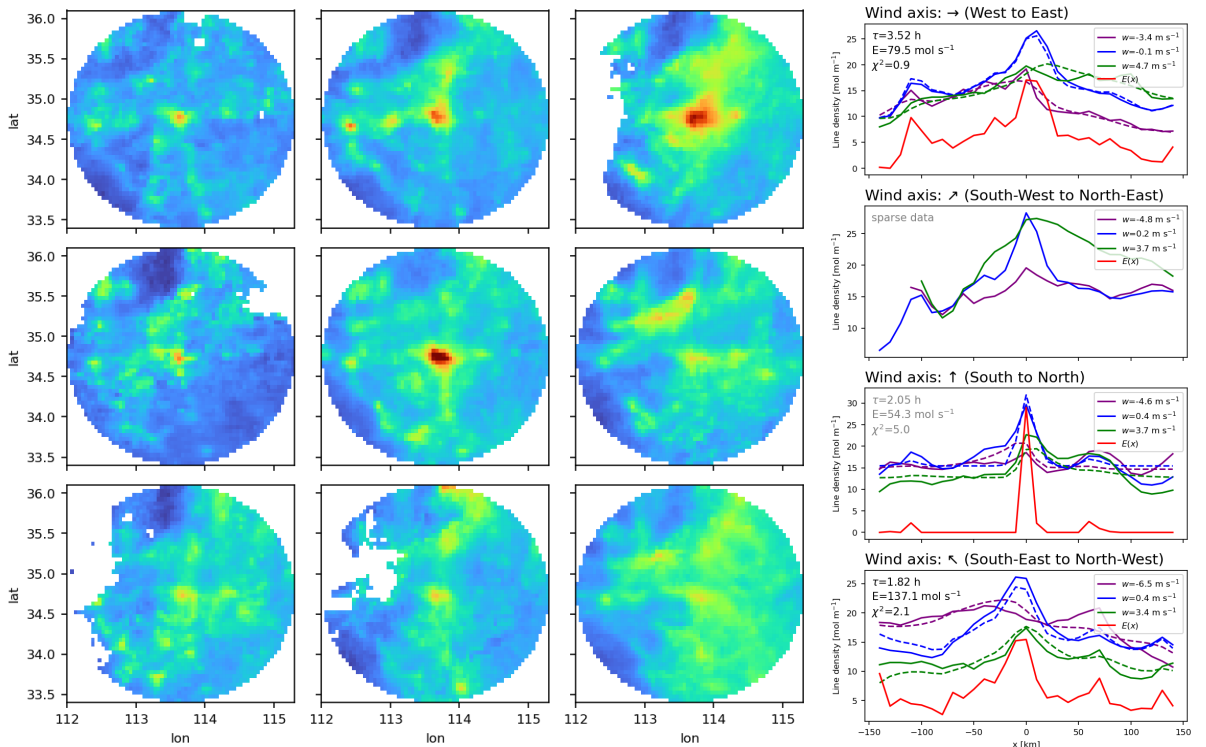
12.2 Spring



12.3 Summer

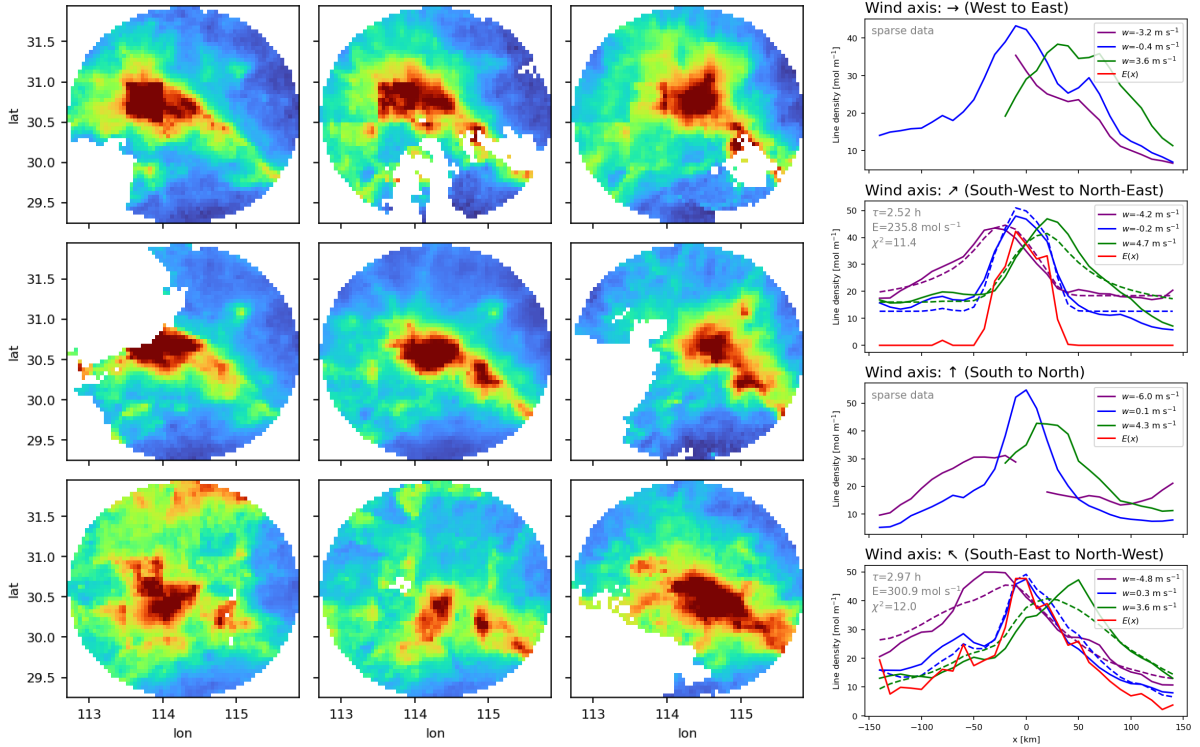


12.4 Autumn

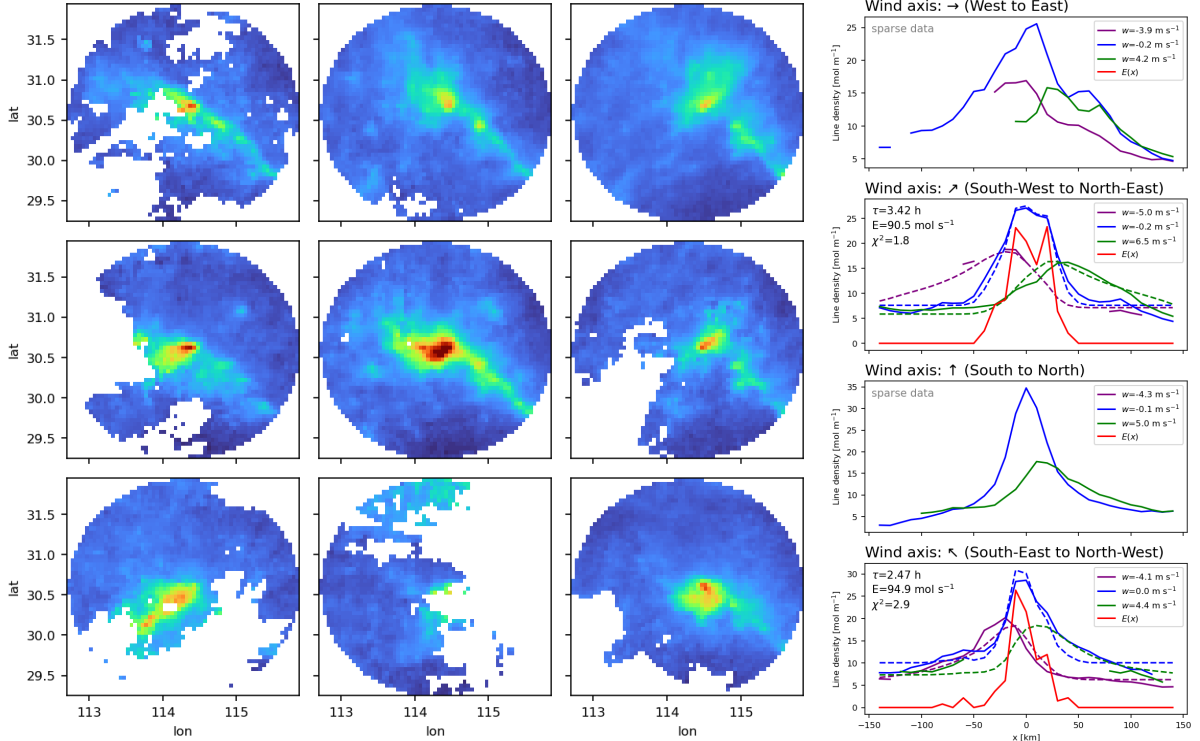


13 Wuhan

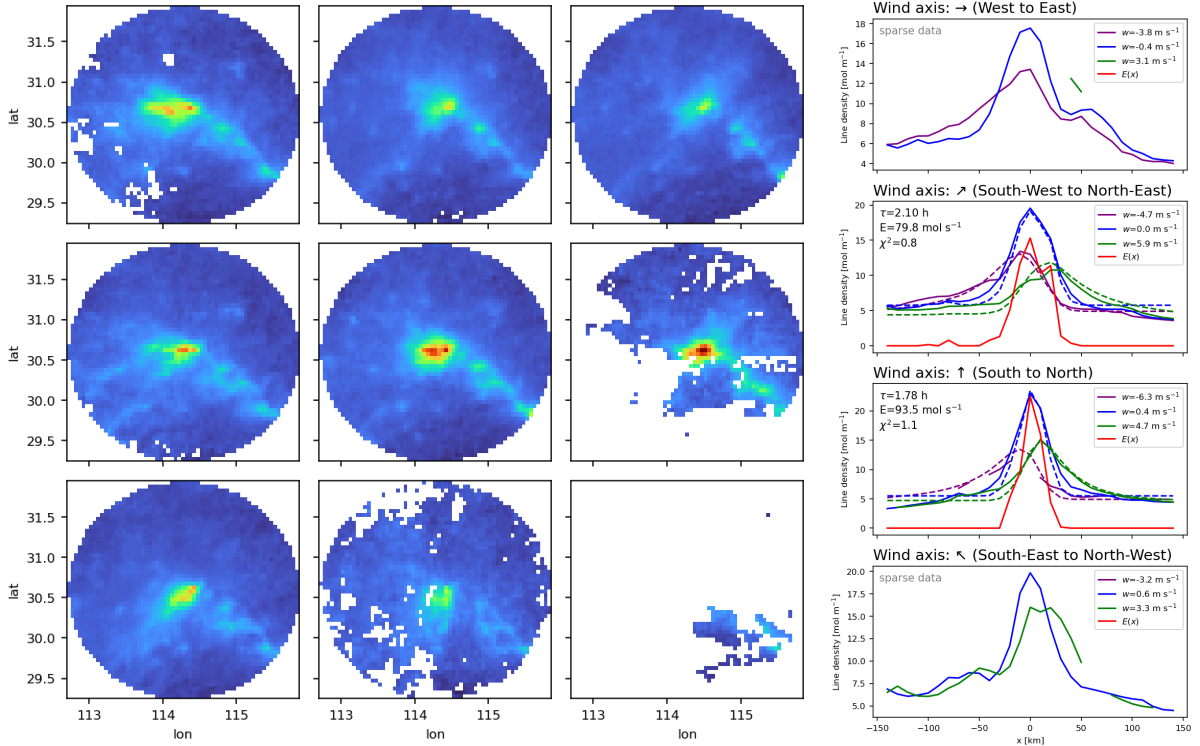
13.1 Winter



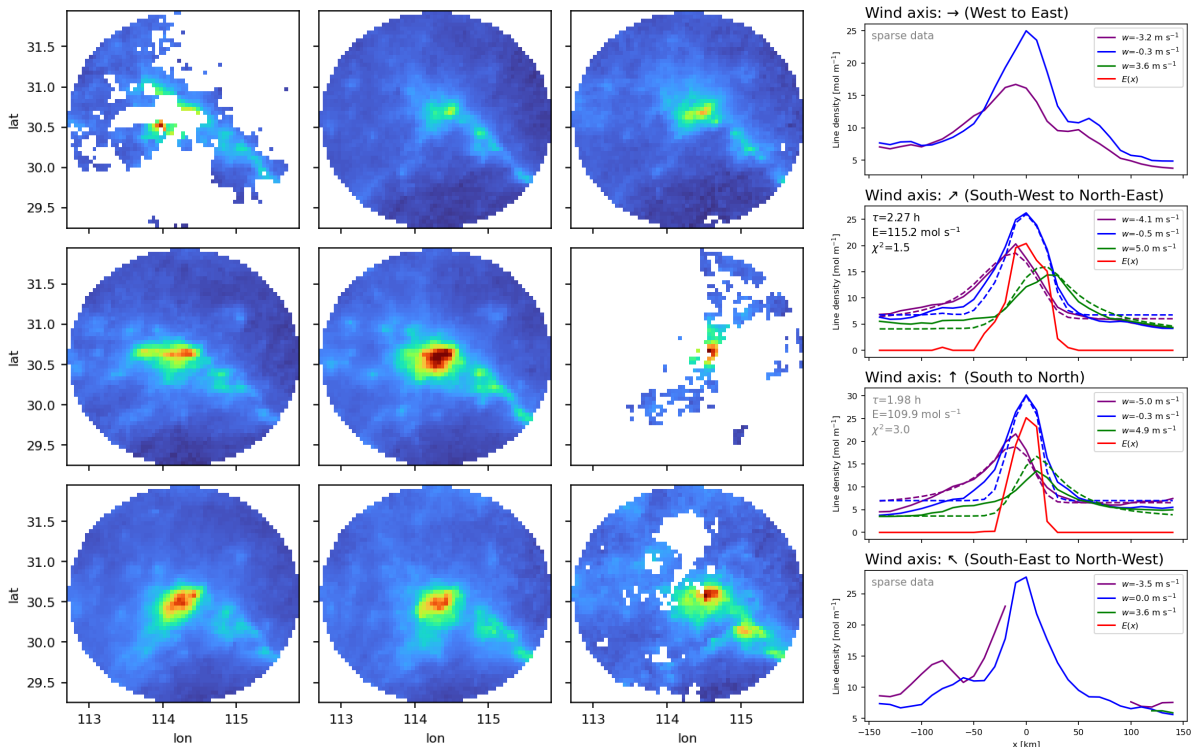
13.2 Spring



13.3 Summer

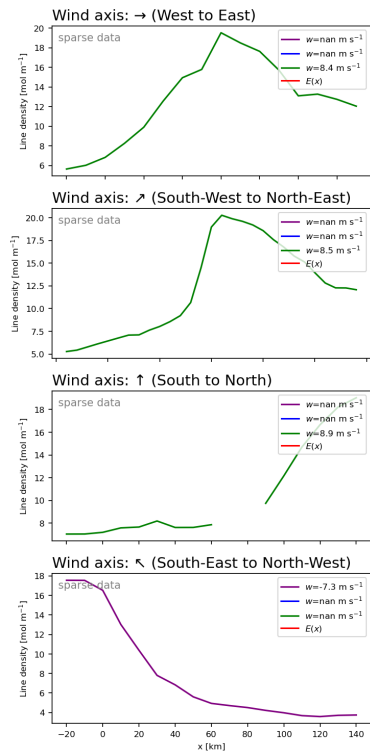
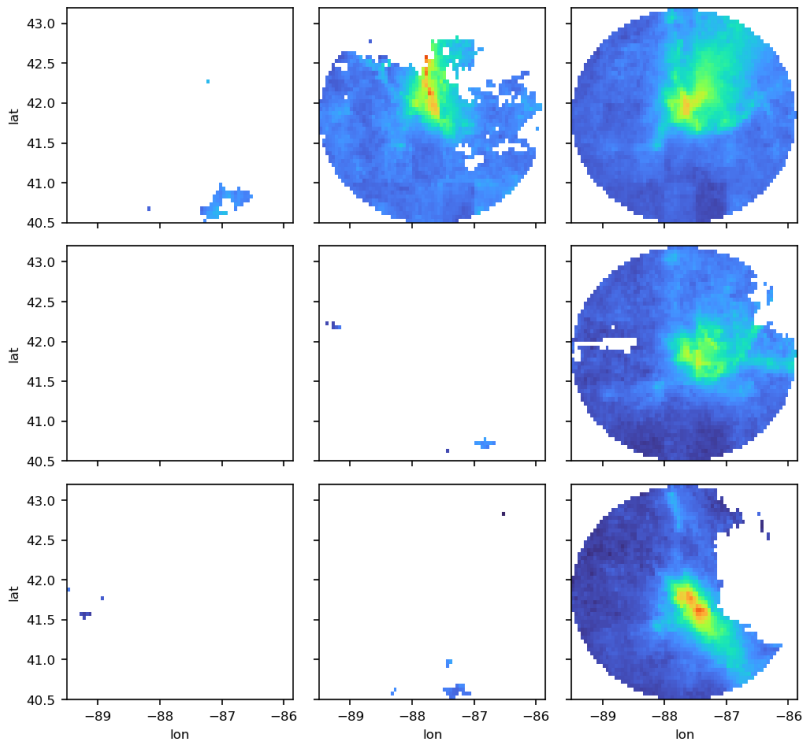


13.4 Autumn

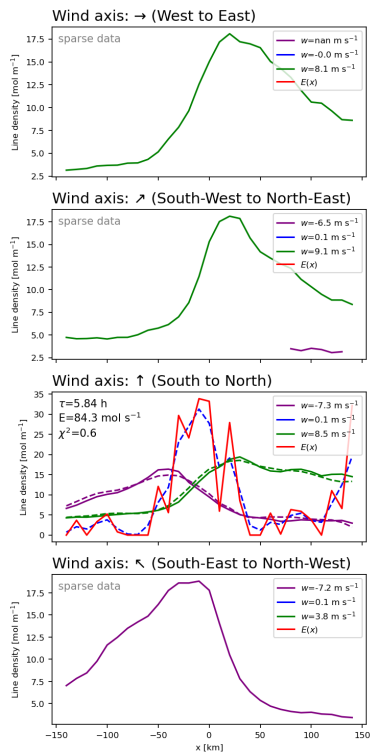
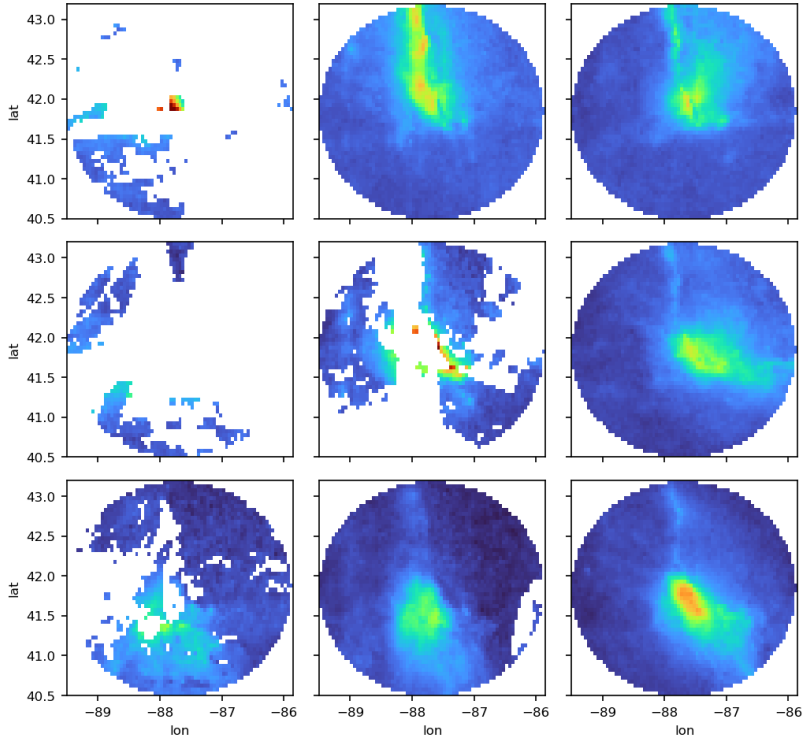


14 Chicago

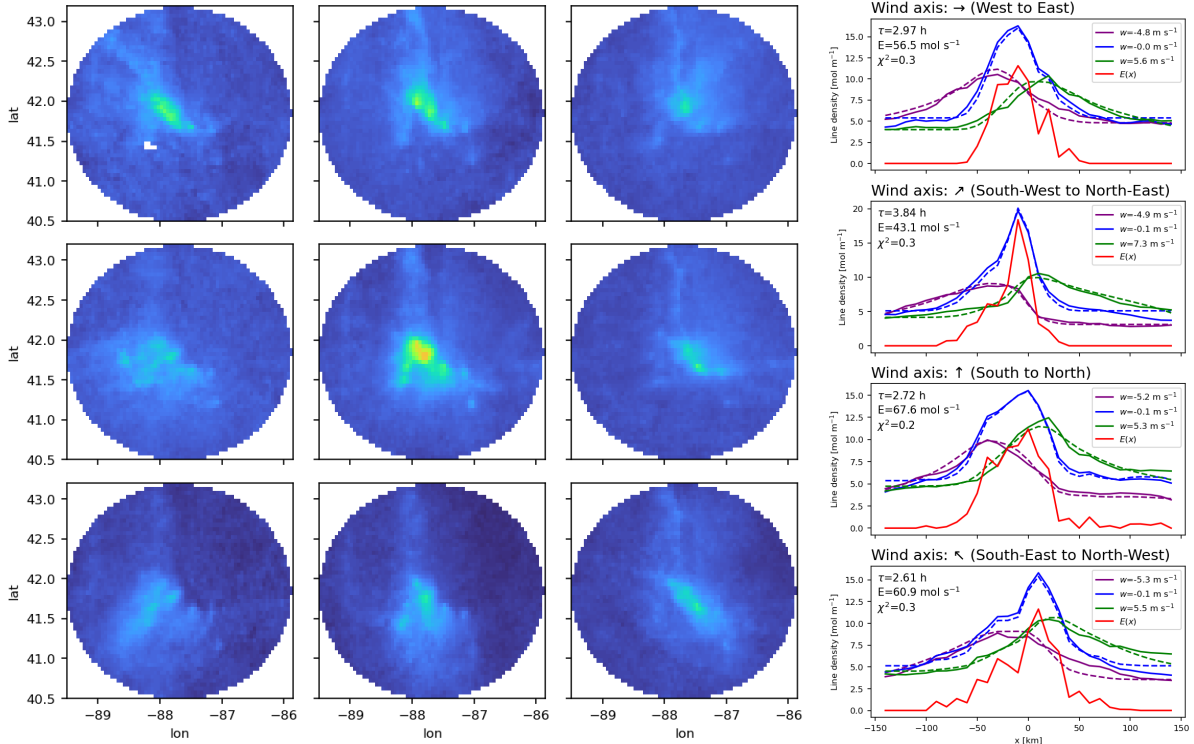
14.1 Winter



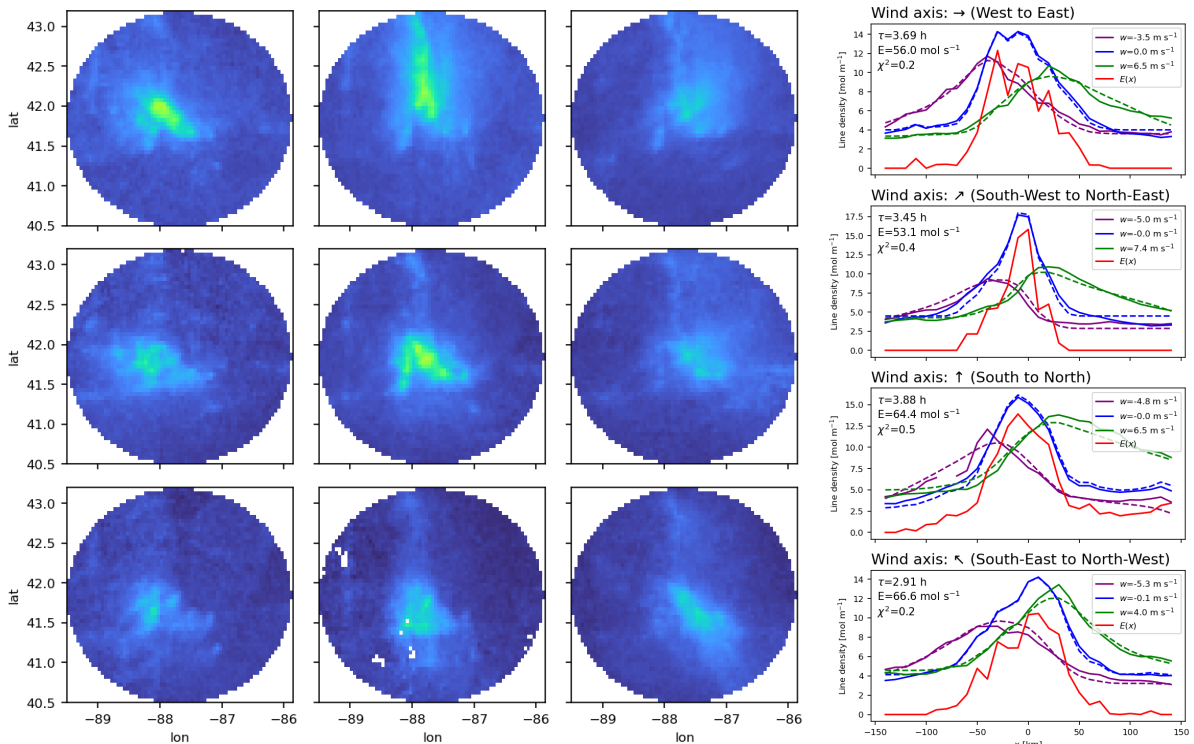
14.2 Spring



14.3 Summer

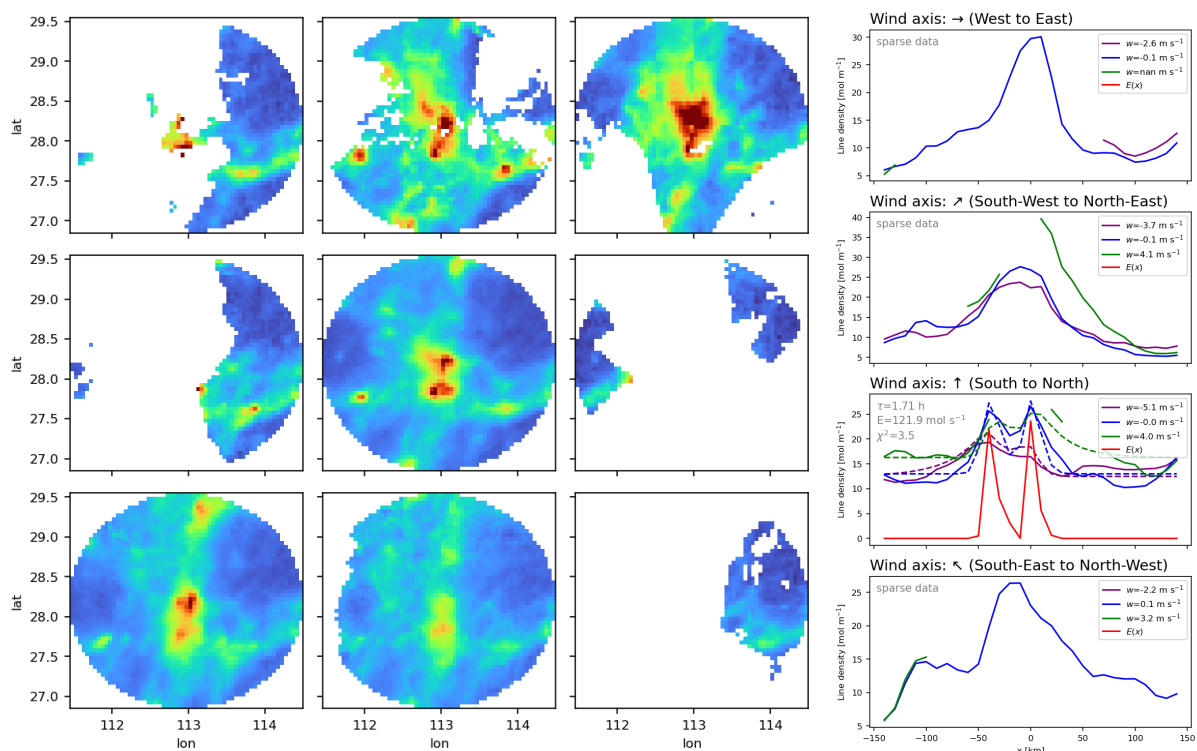


14.4 Autumn

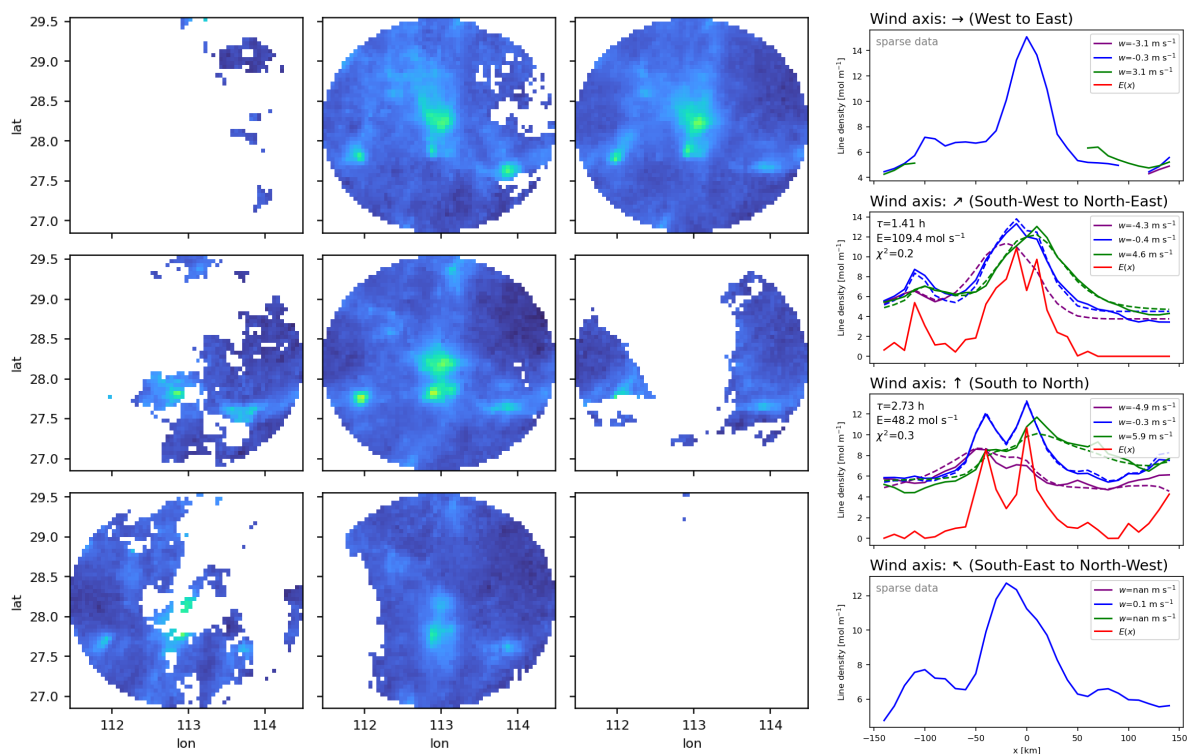


15 Changsha

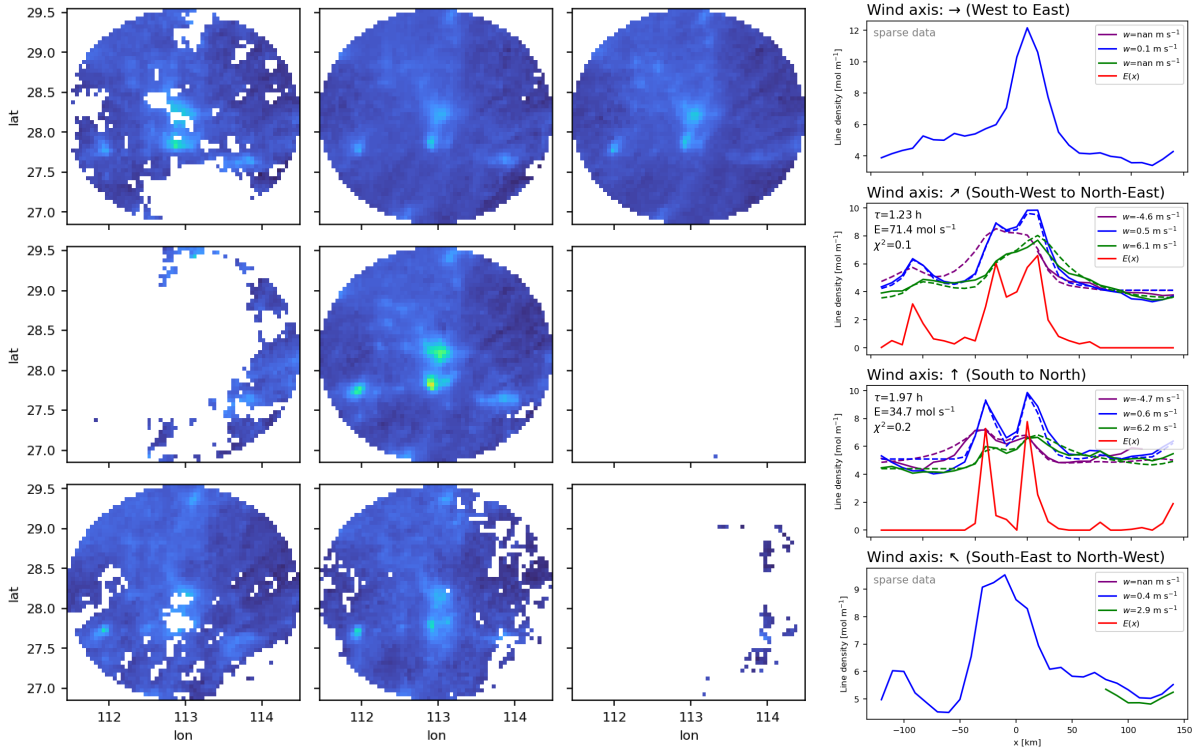
15.1 Winter



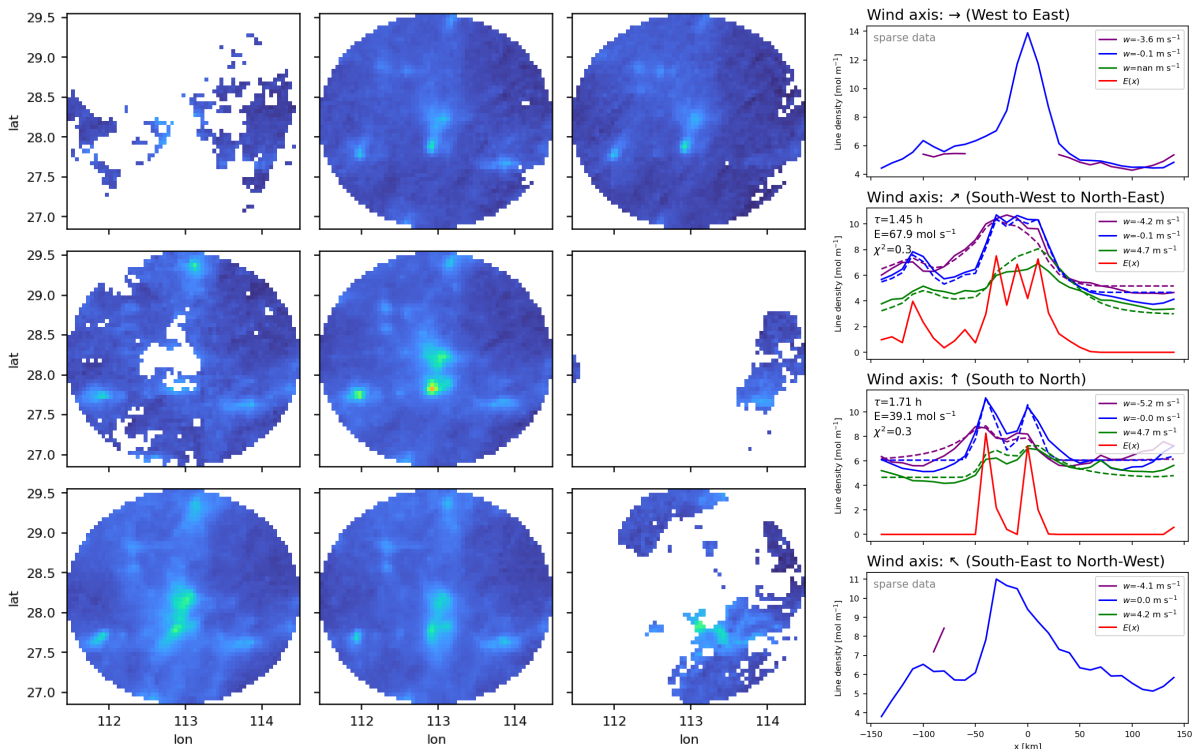
15.2 Spring



15.3 Summer

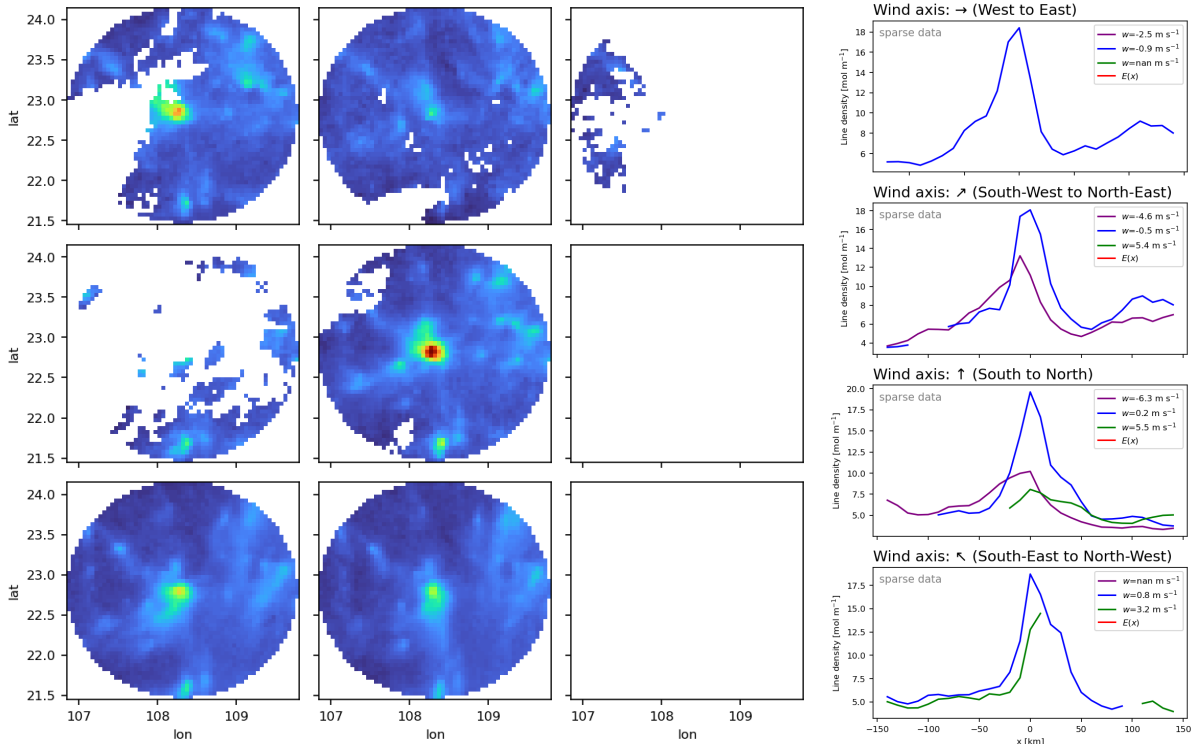


15.4 Autumn

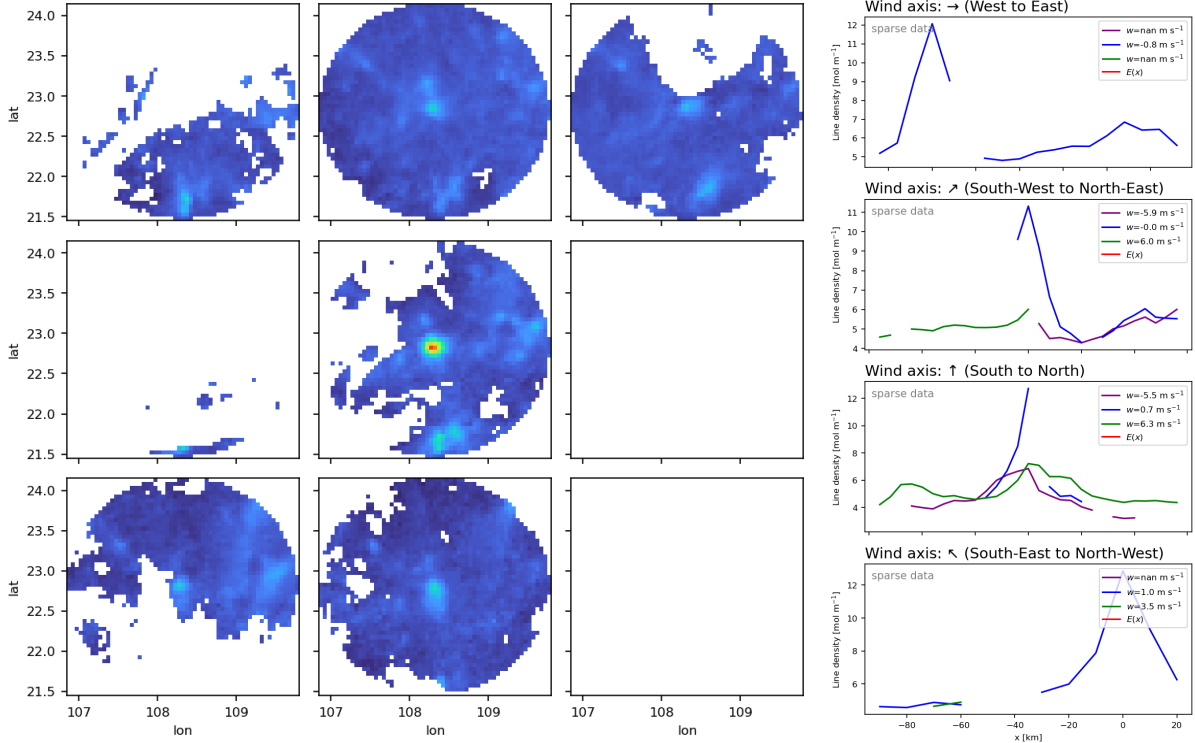


16 Nanning

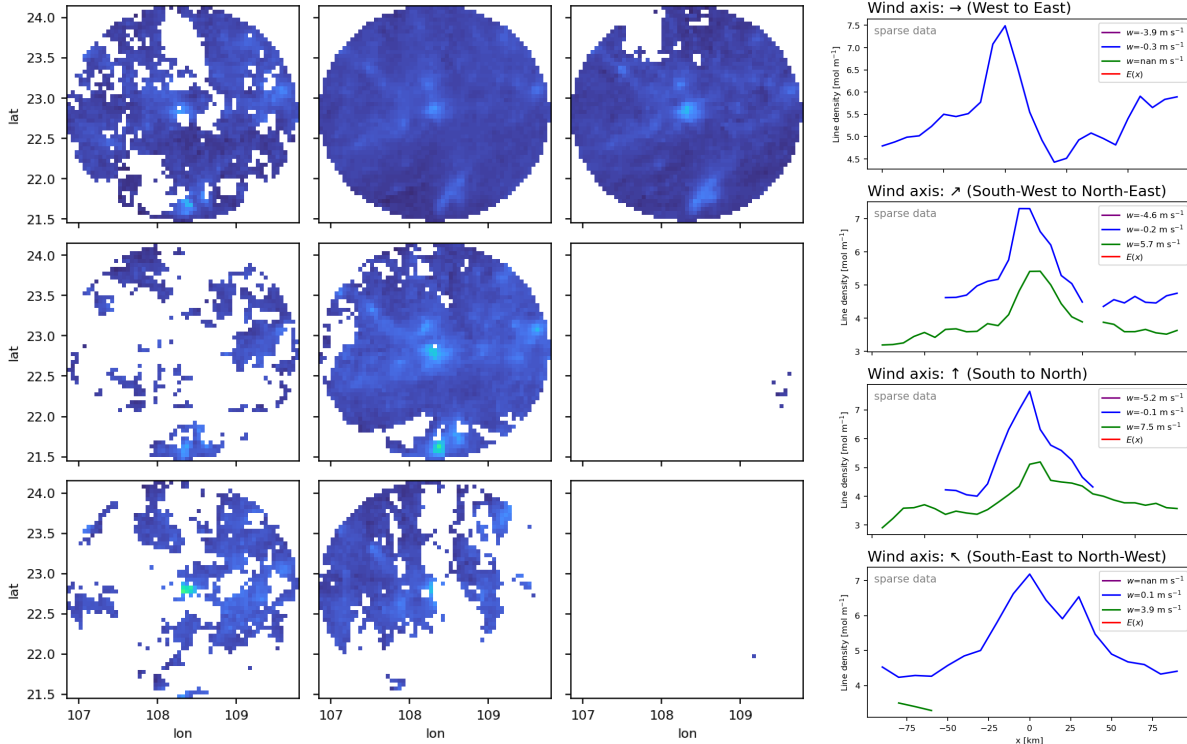
16.1 Winter



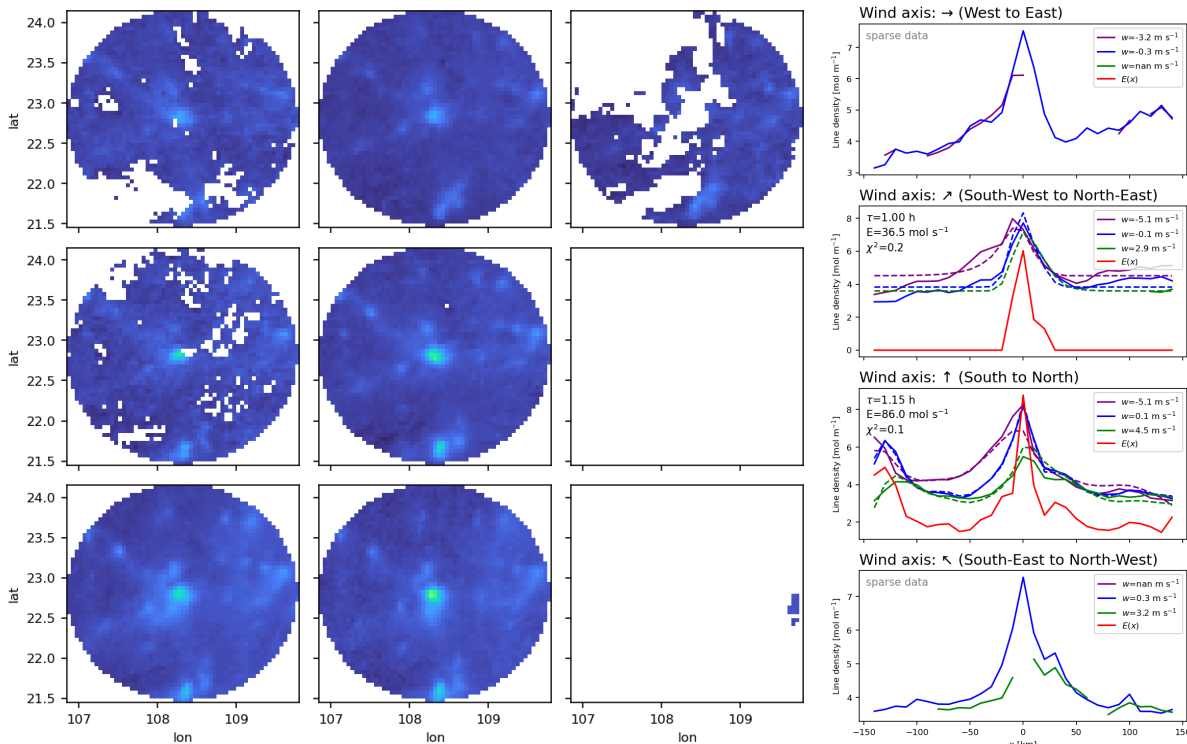
16.2 Spring



16.3 Summer

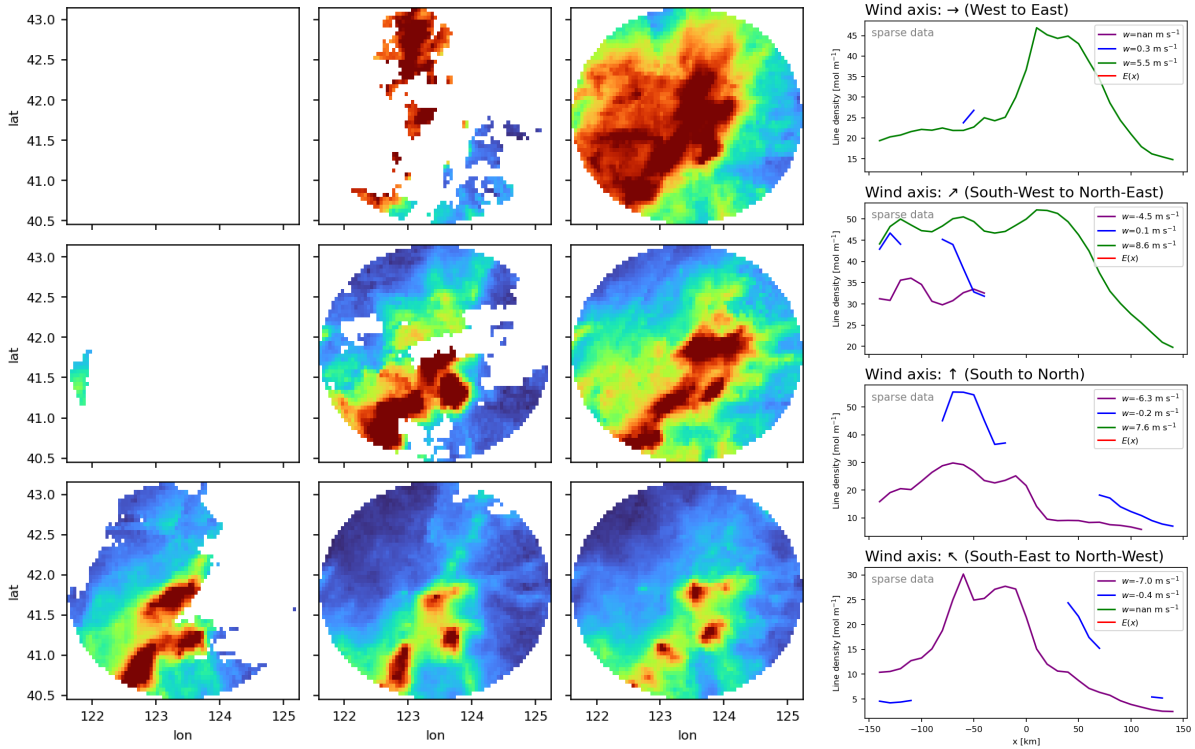


16.4 Autumn

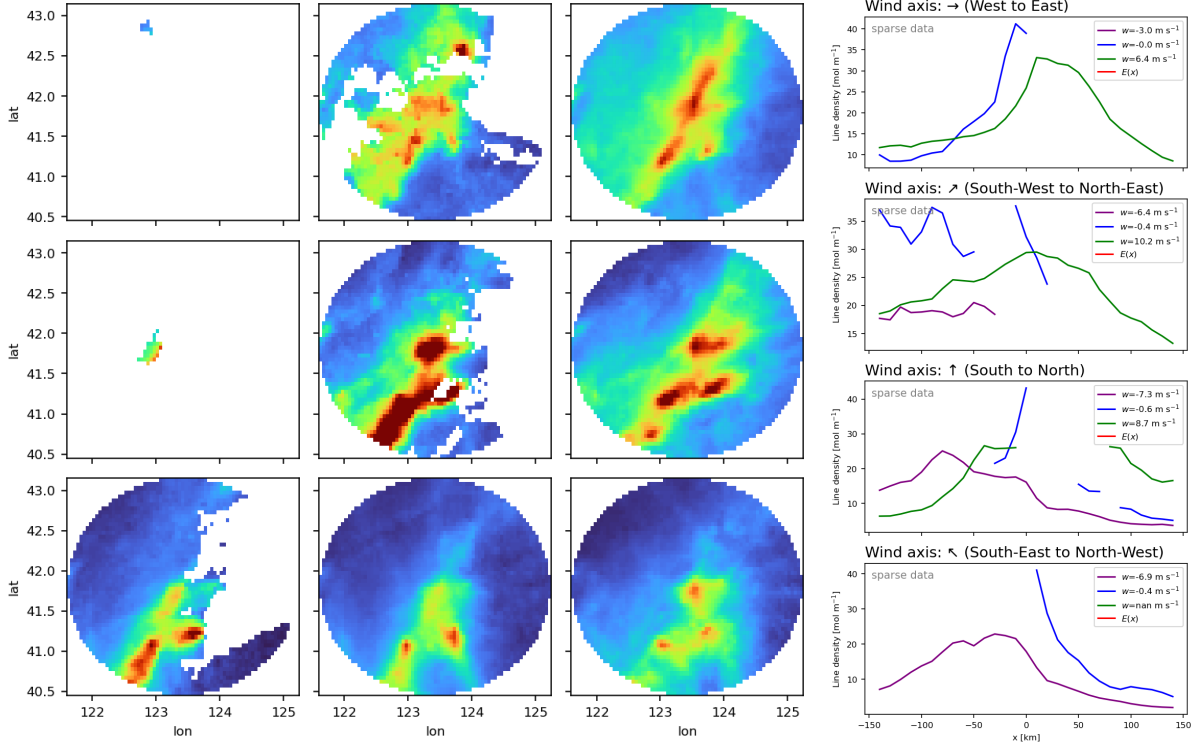


17 Shenyang

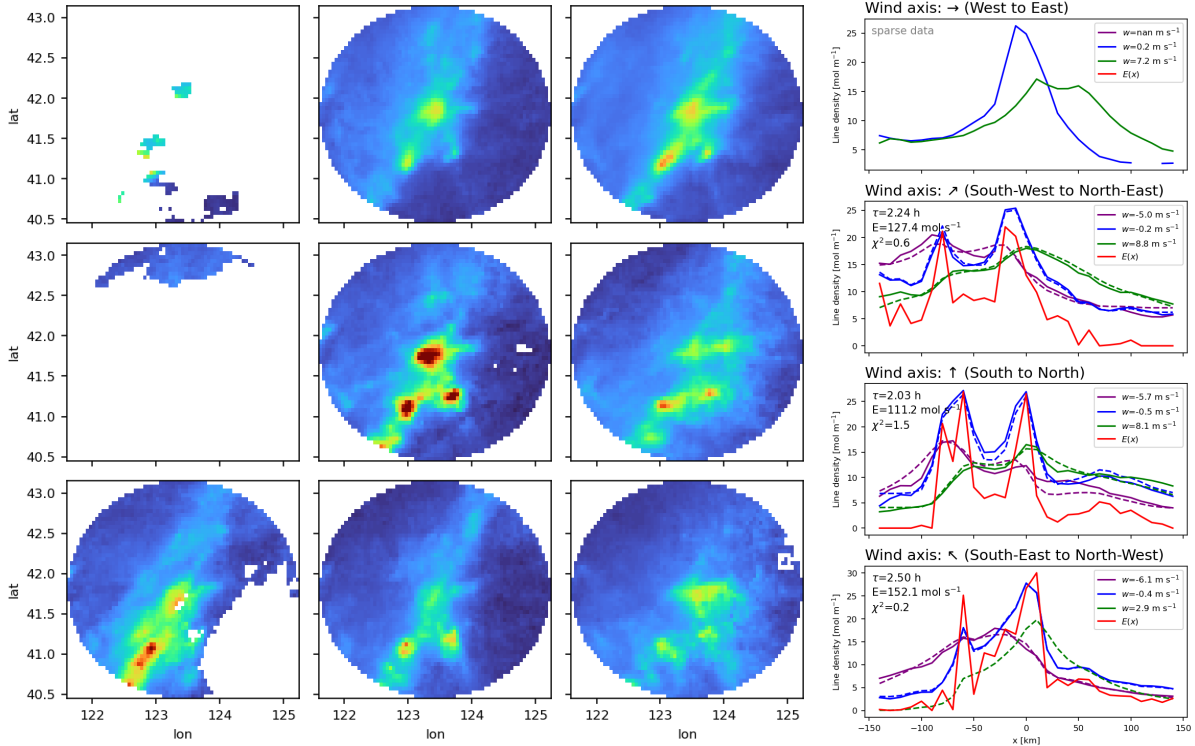
17.1 Winter



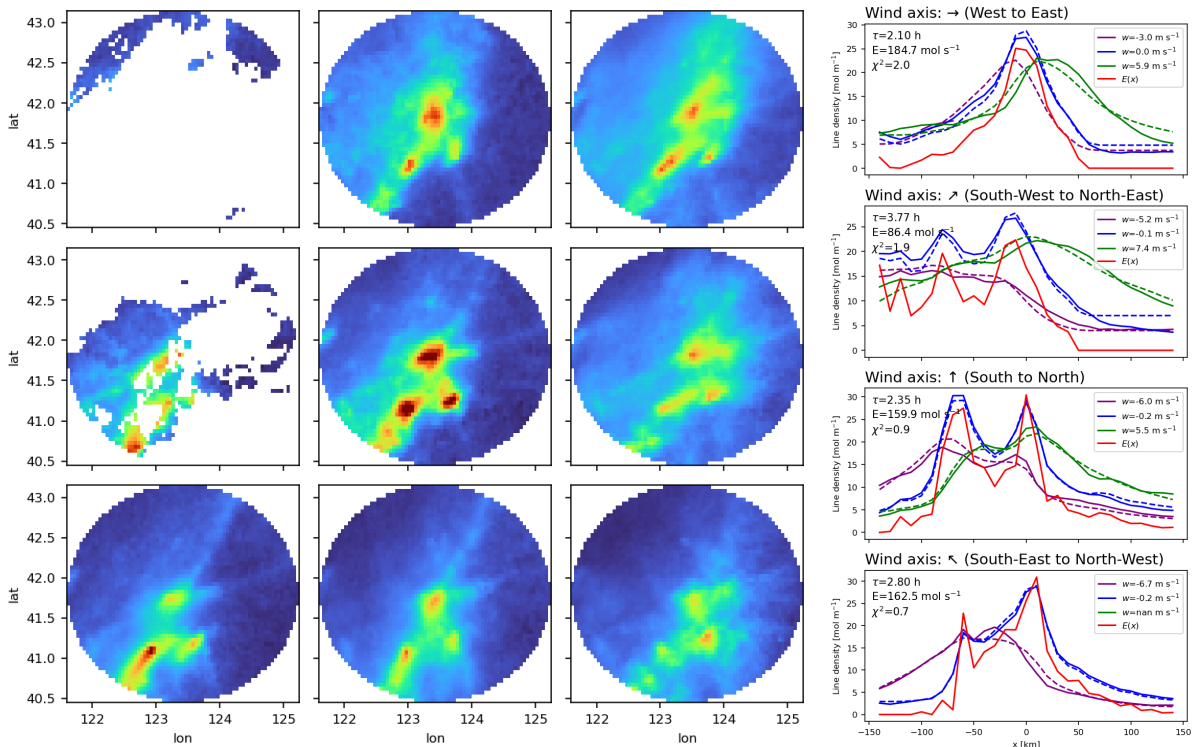
17.2 Spring



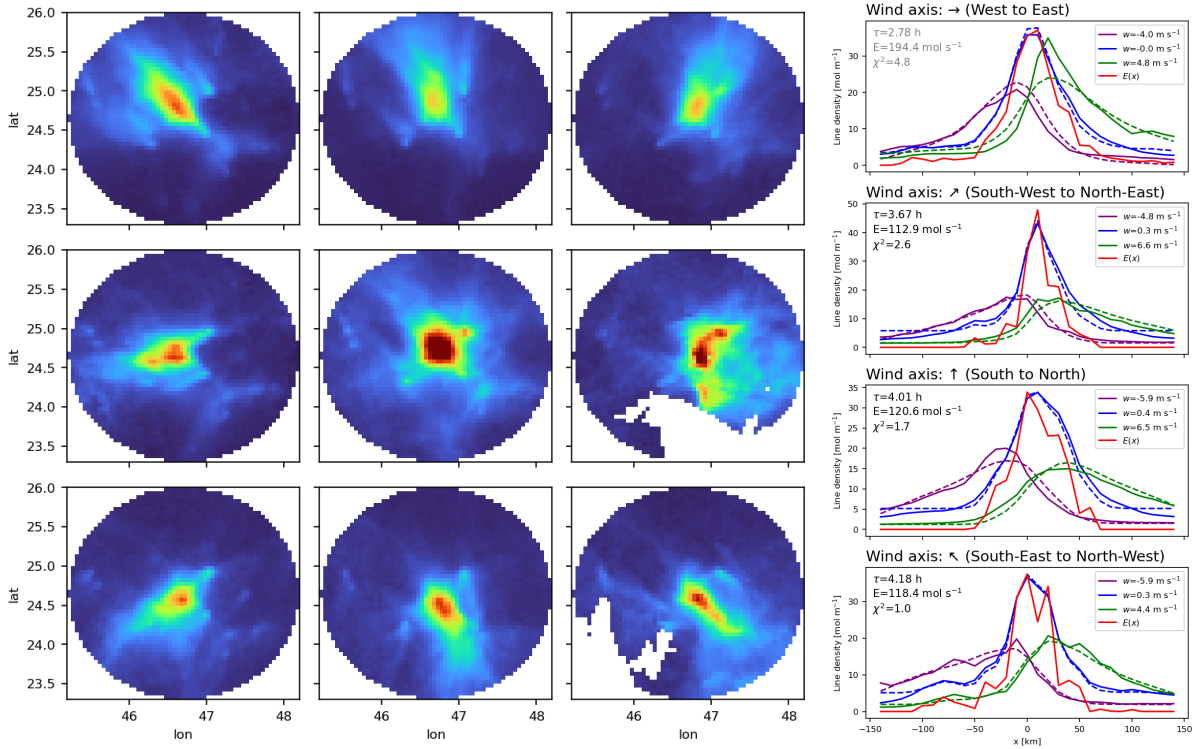
17.3 Summer



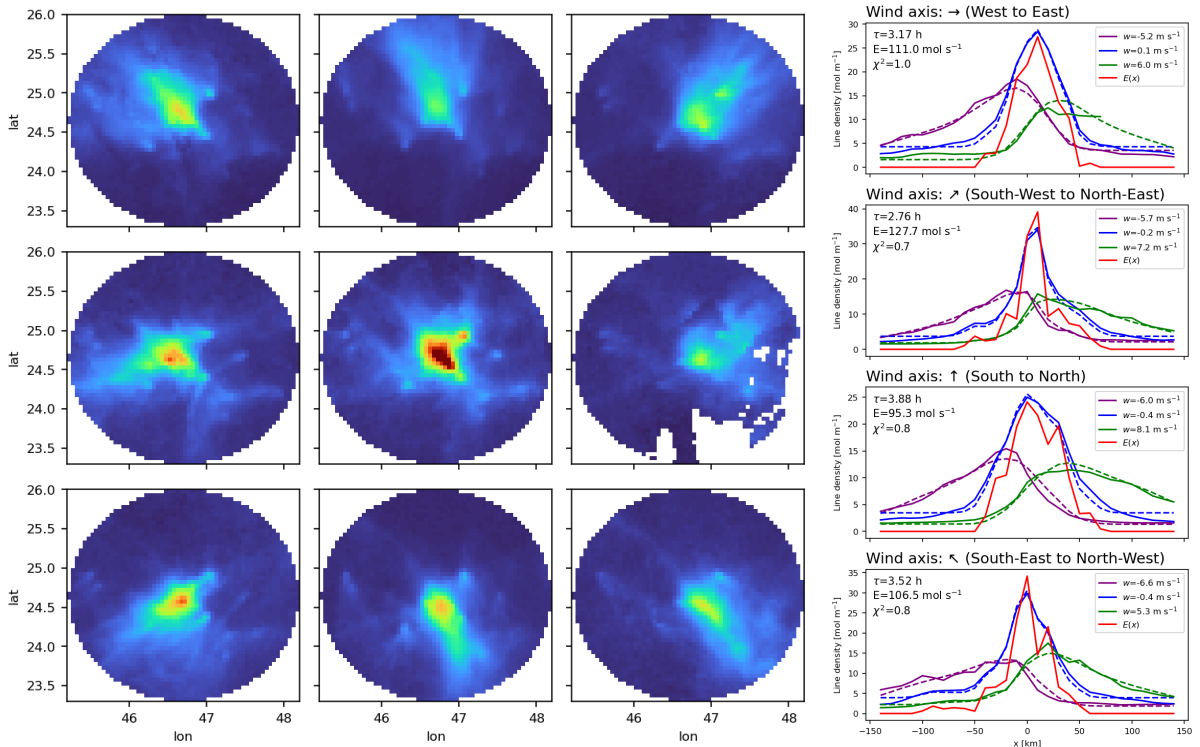
17.4 Autumn



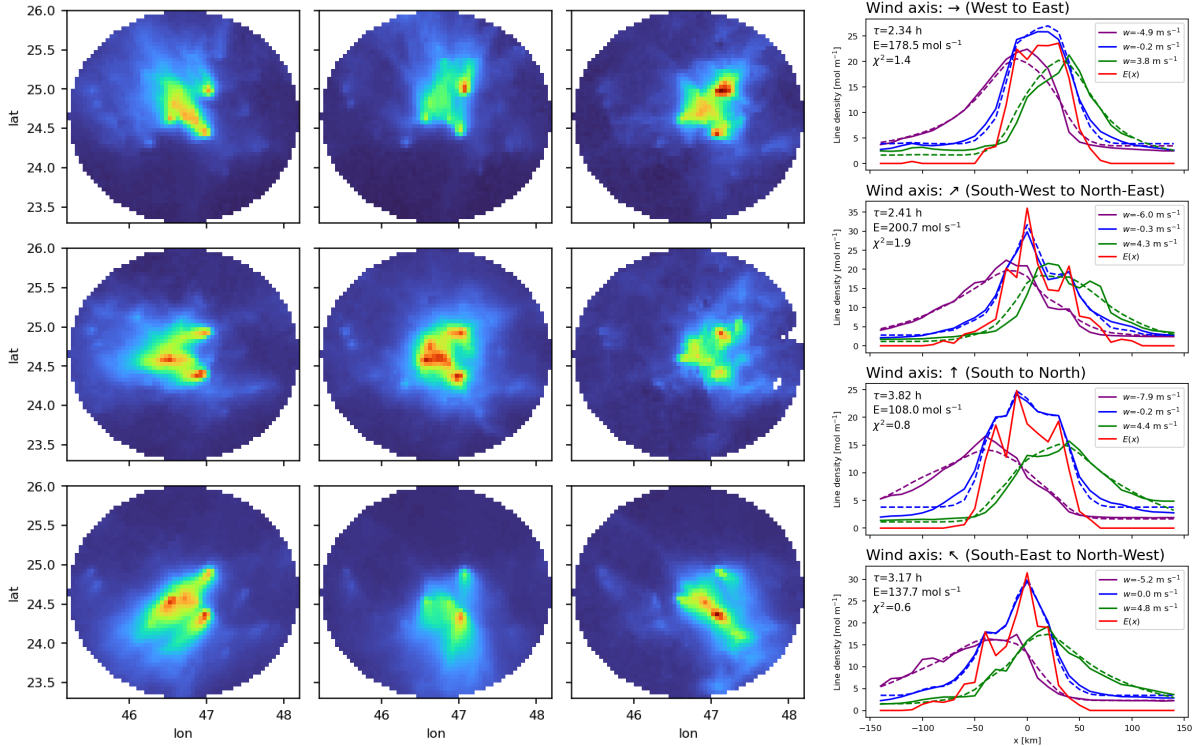
18.1 Winter



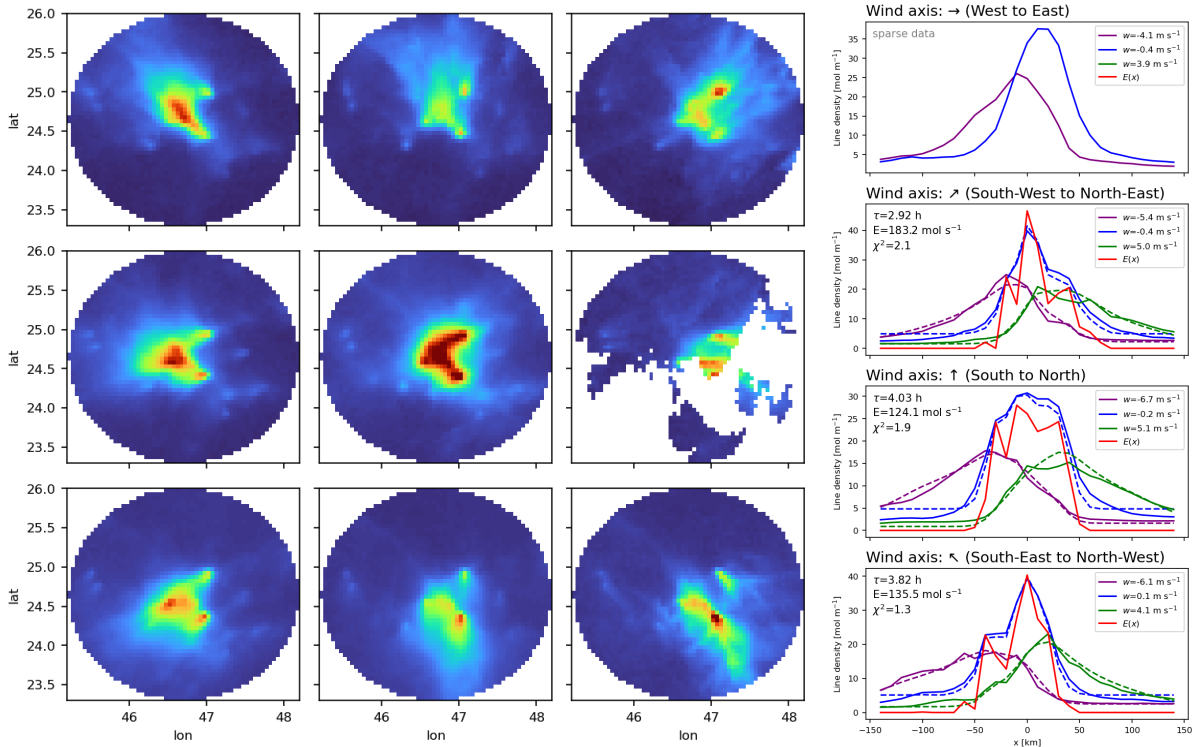
18.2 Spring



18.3 Summer

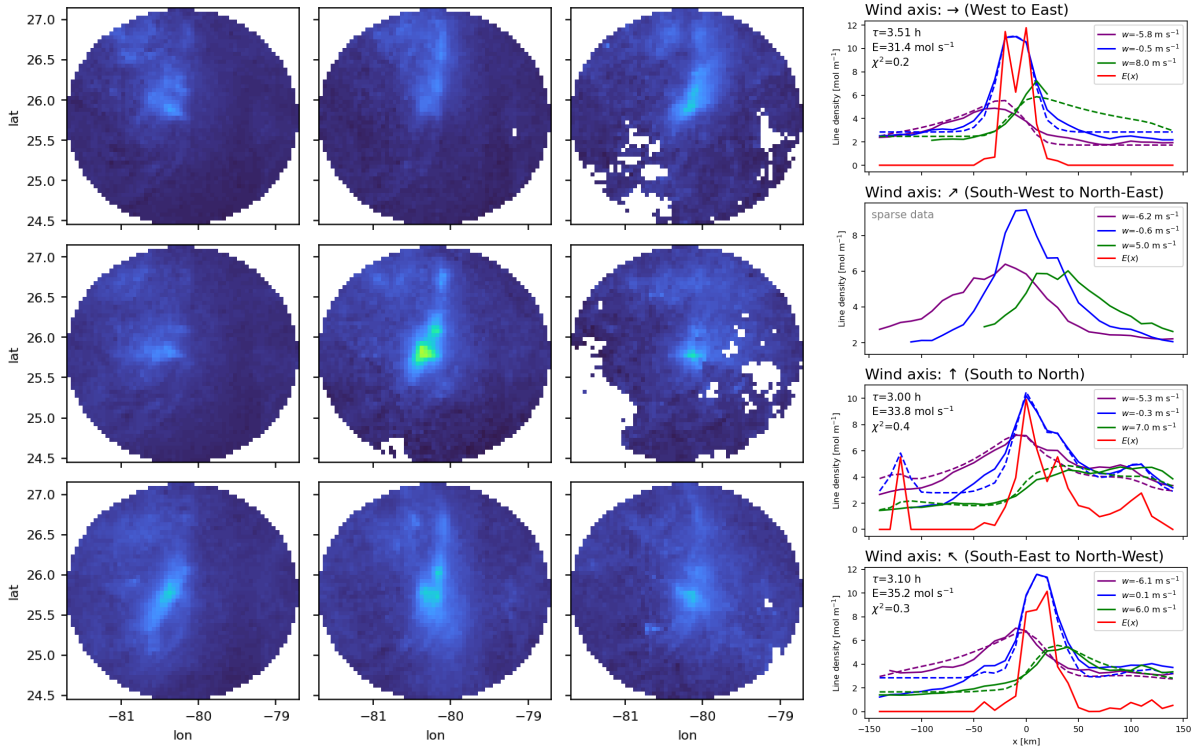


18.4 Autumn

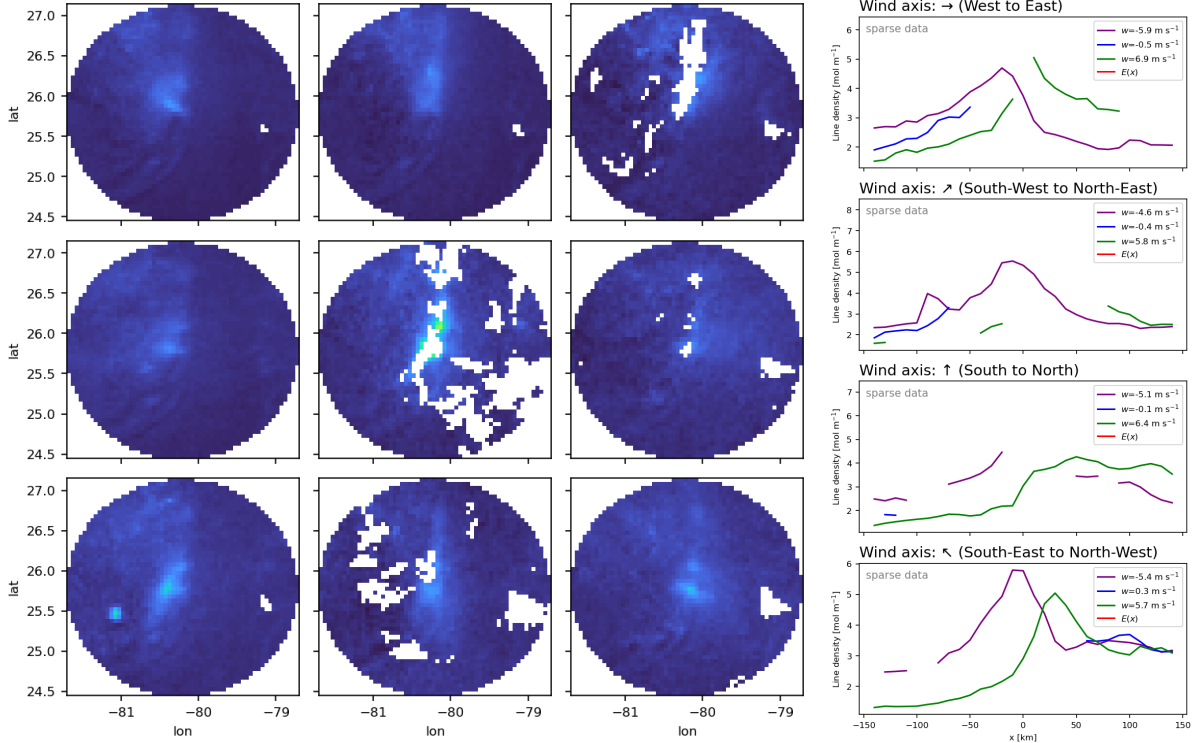


19 Miami

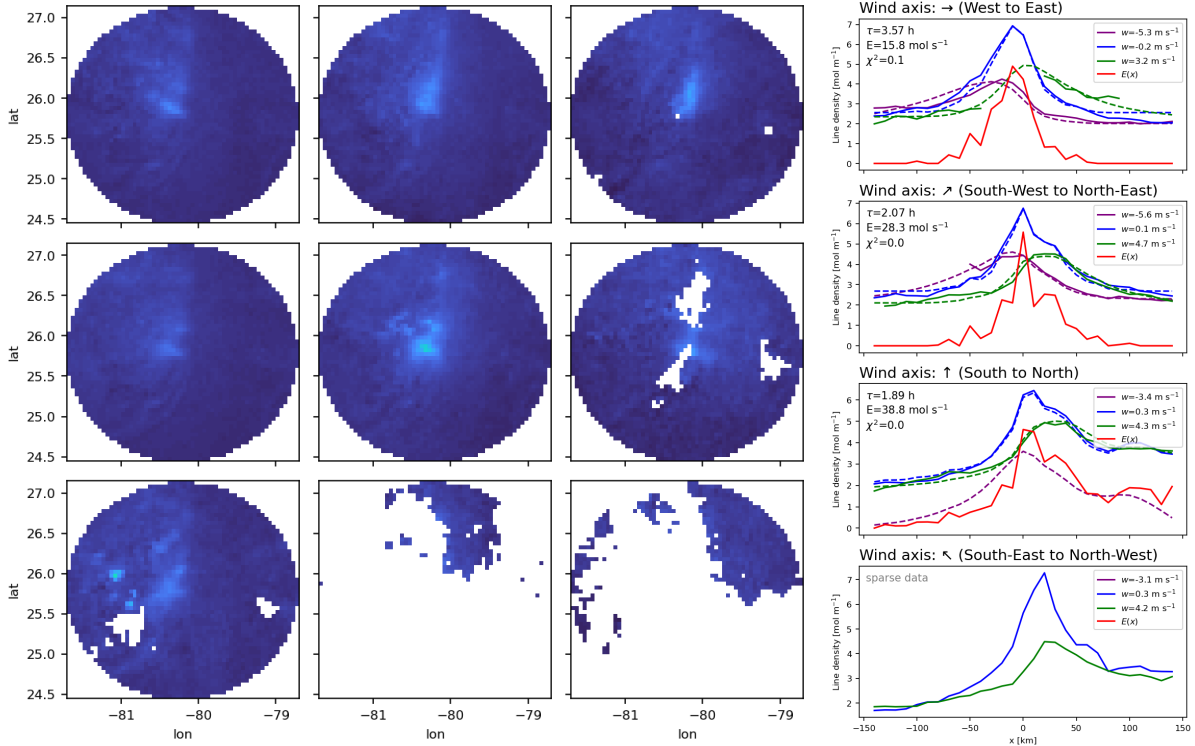
19.1 Winter



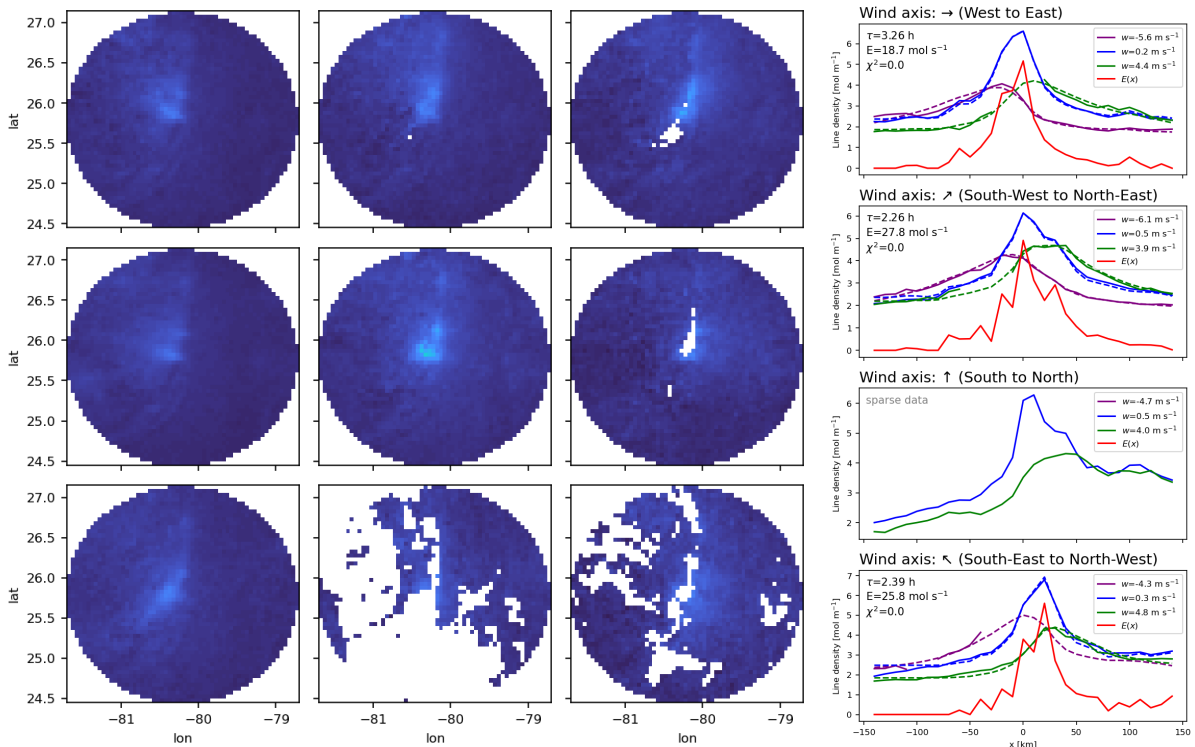
19.2 Spring



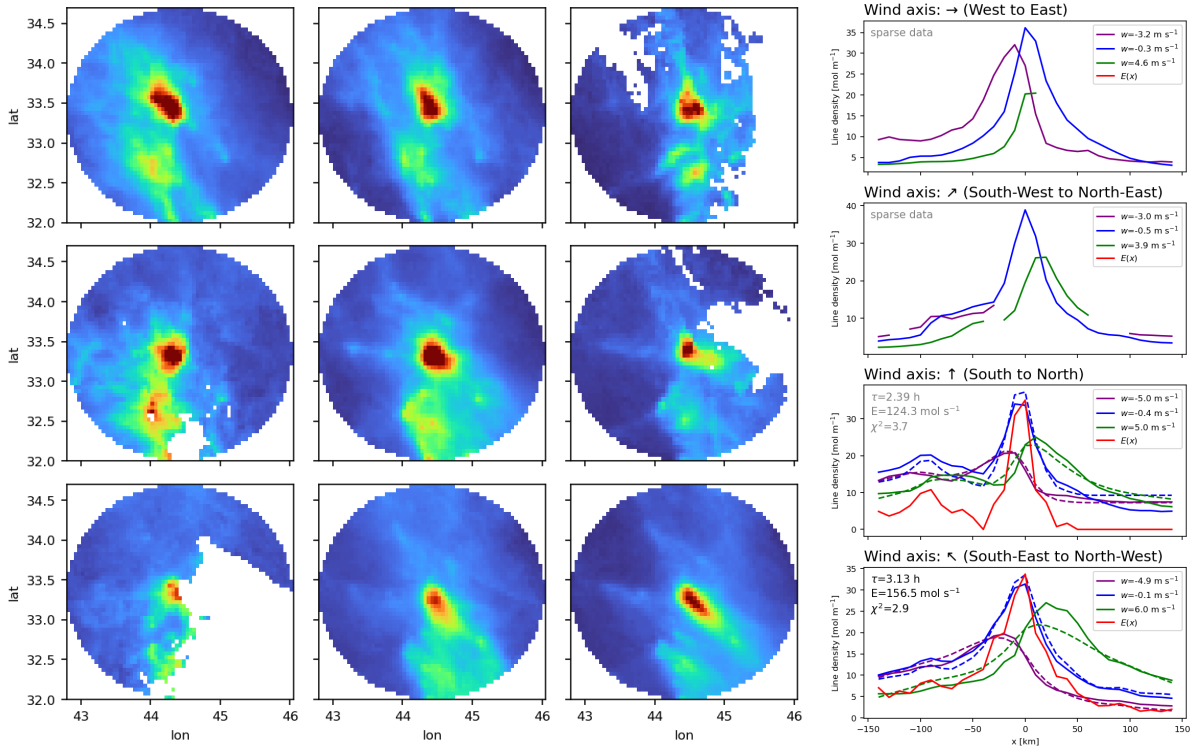
19.3 Summer



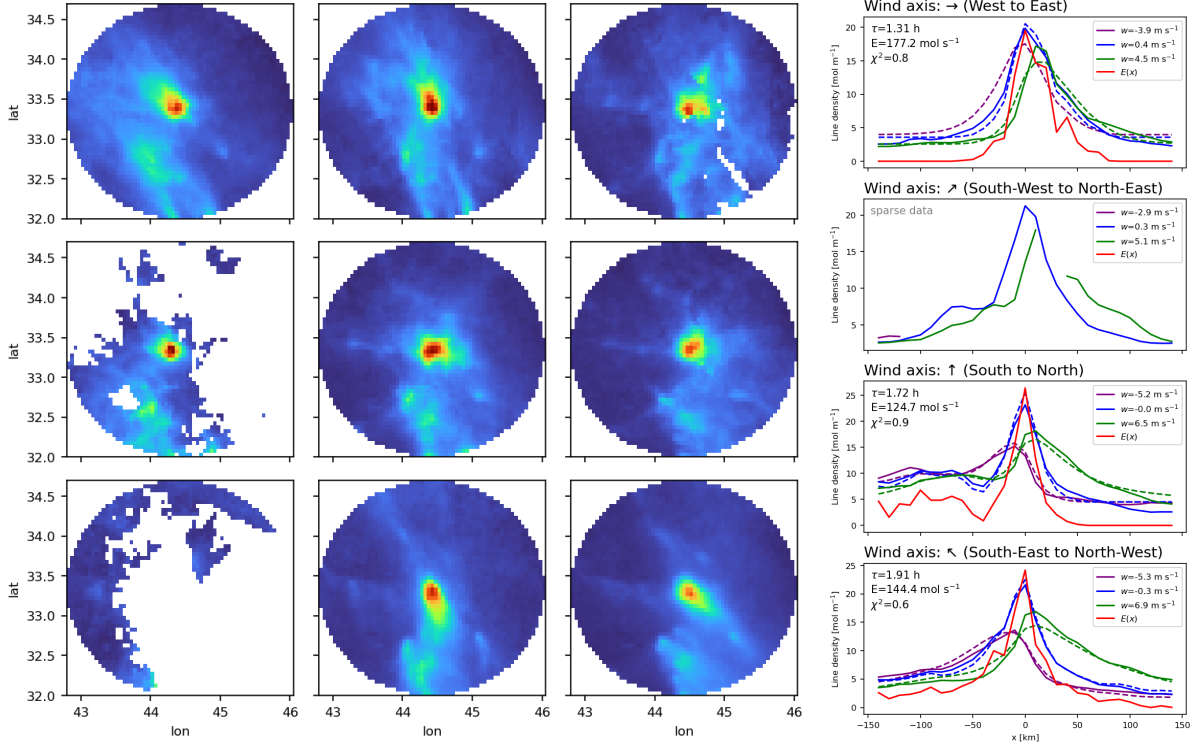
19.4 Autumn



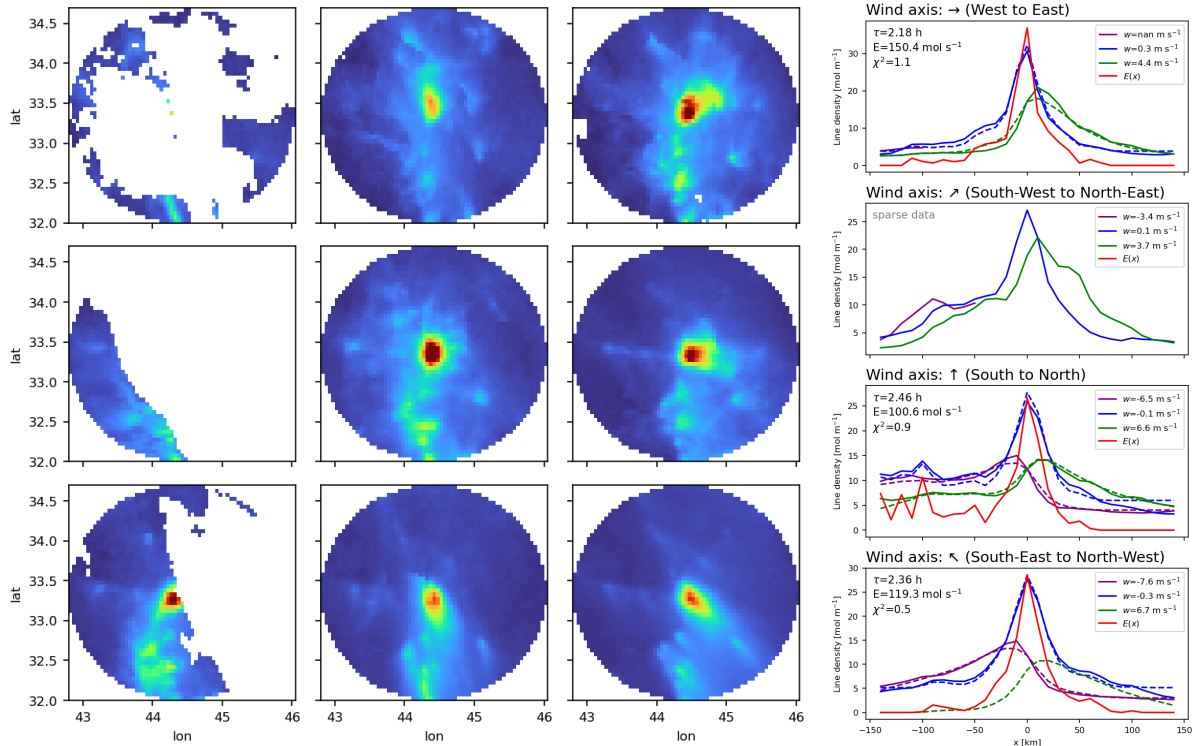
20.1 Winter



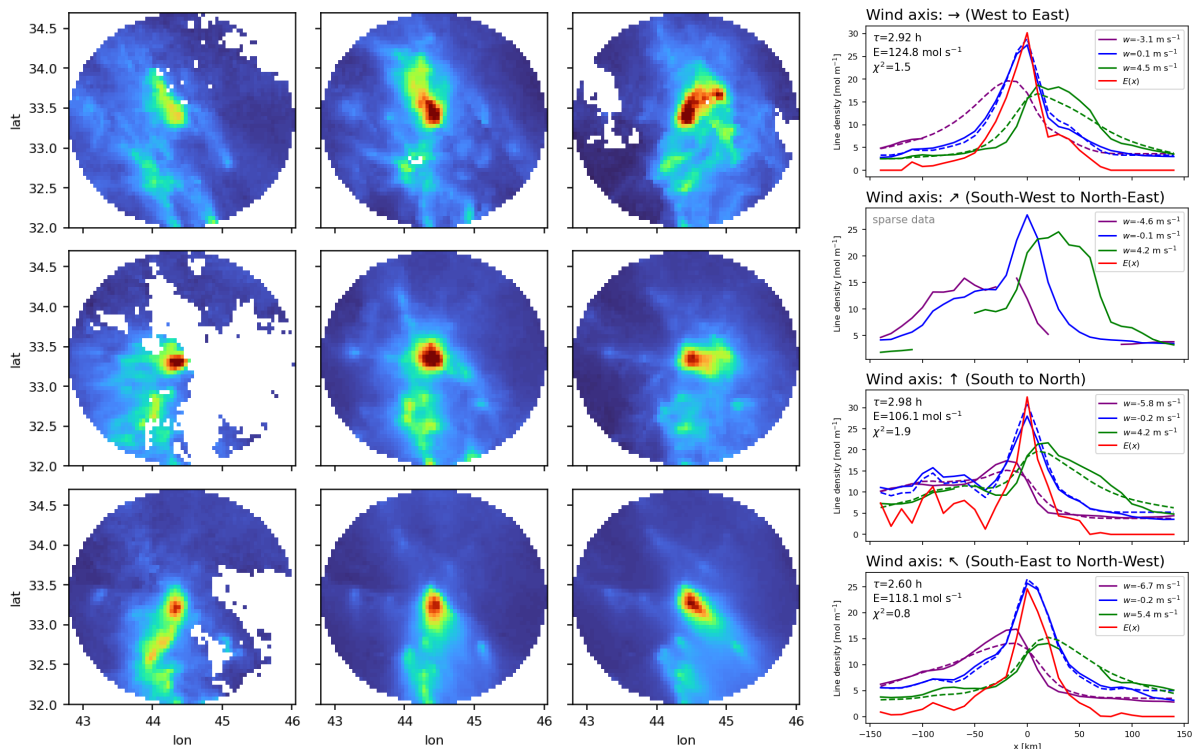
20.2 Spring



20.3 Summer

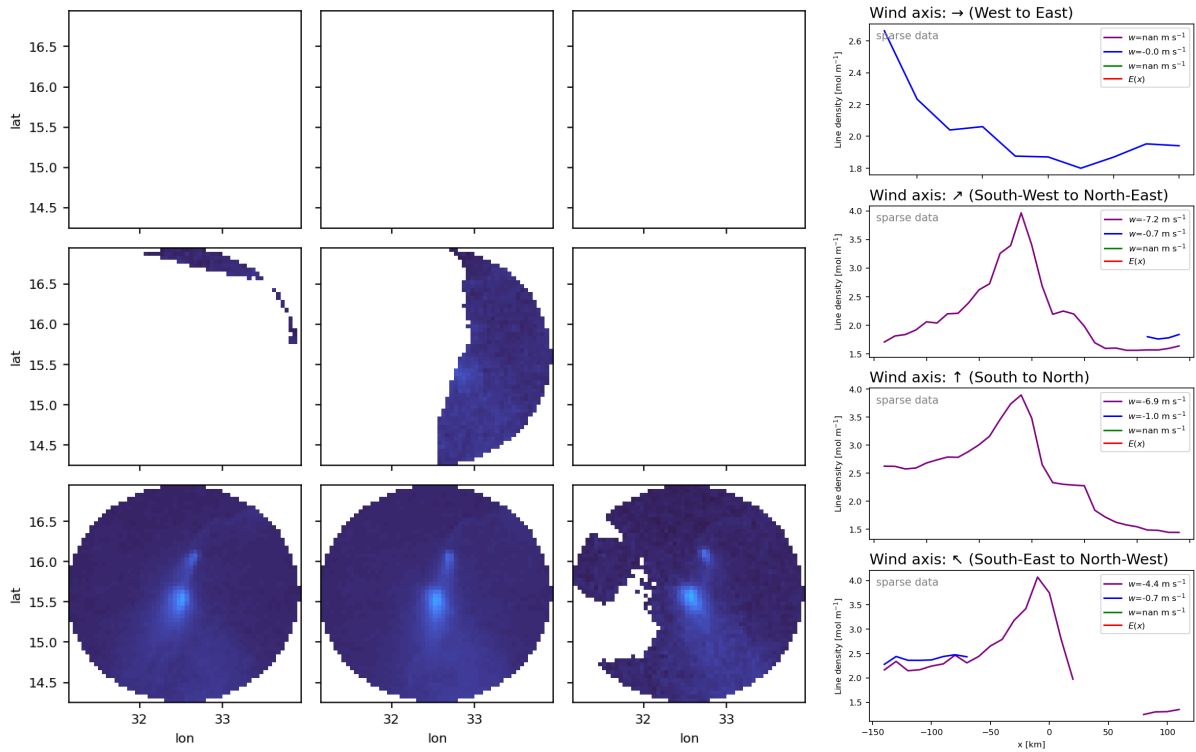


20.4 Autumn

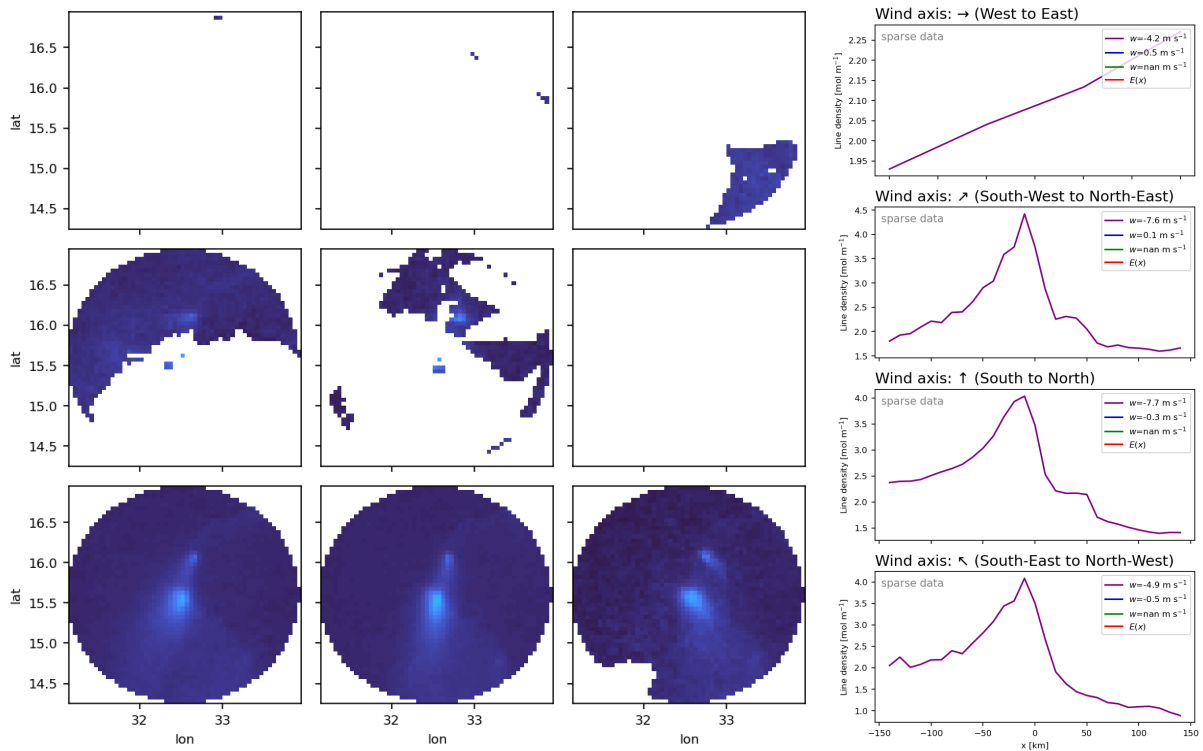


21 Khartoum

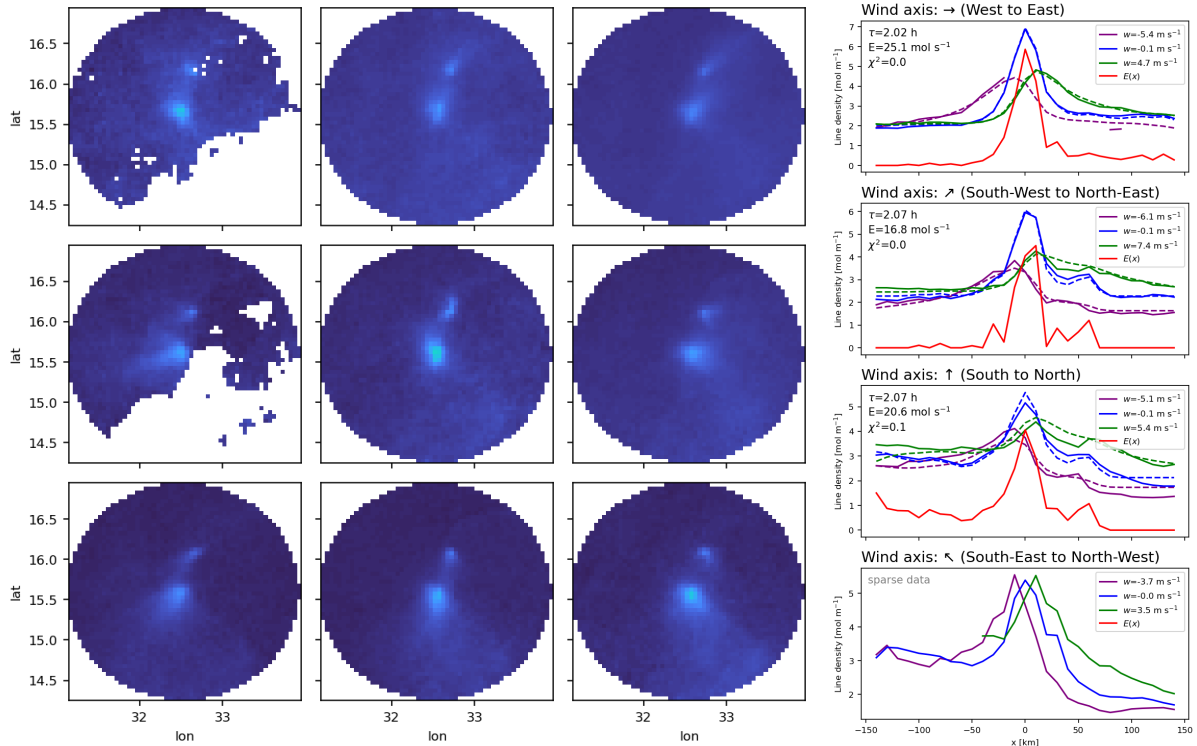
21.1 Winter



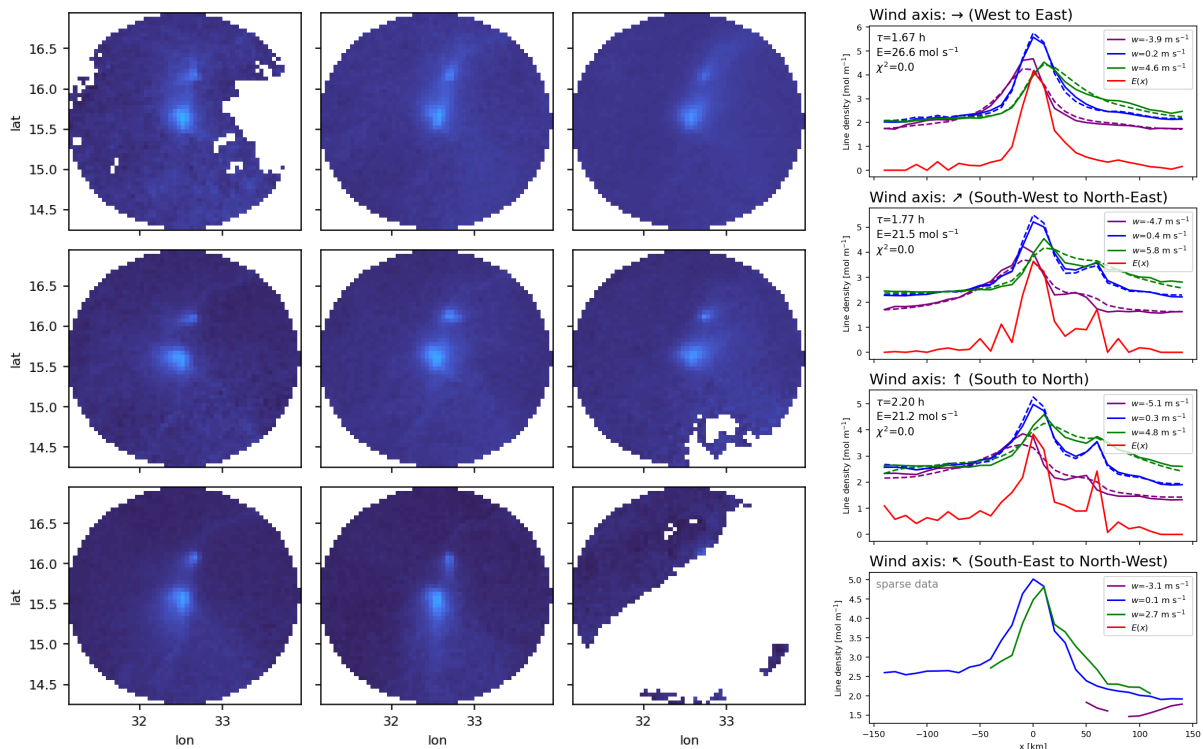
21.2 Spring



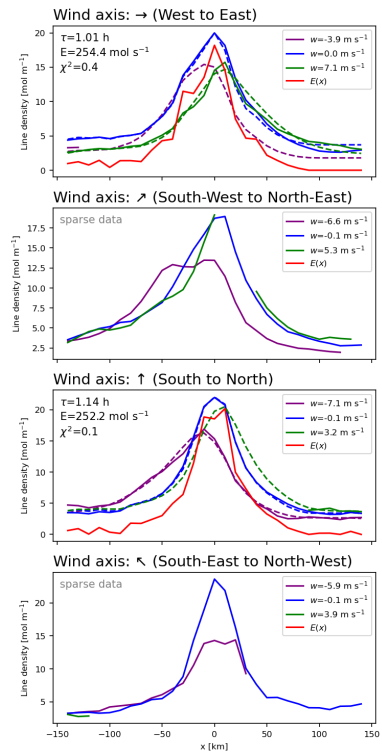
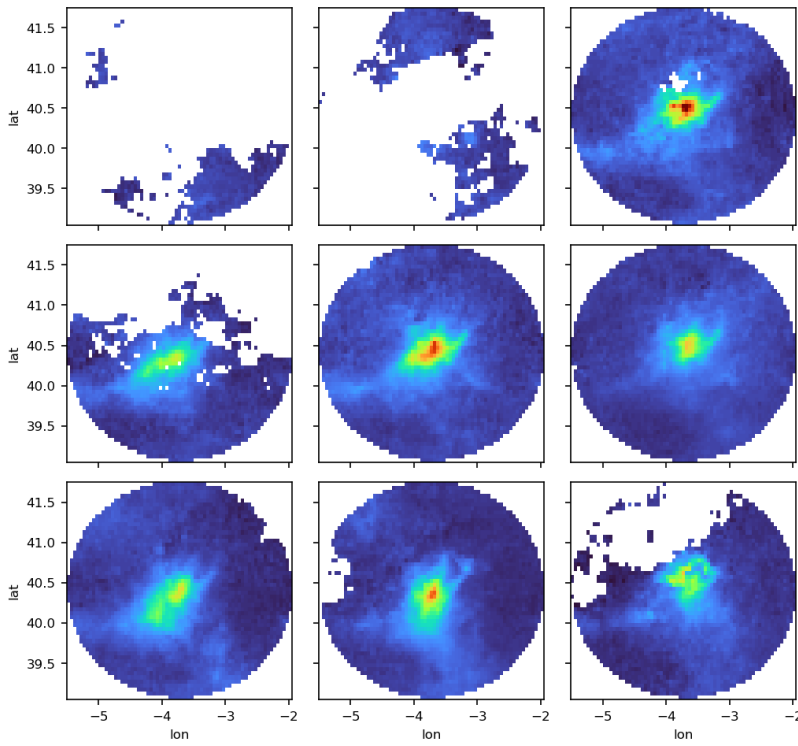
21.3 Summer



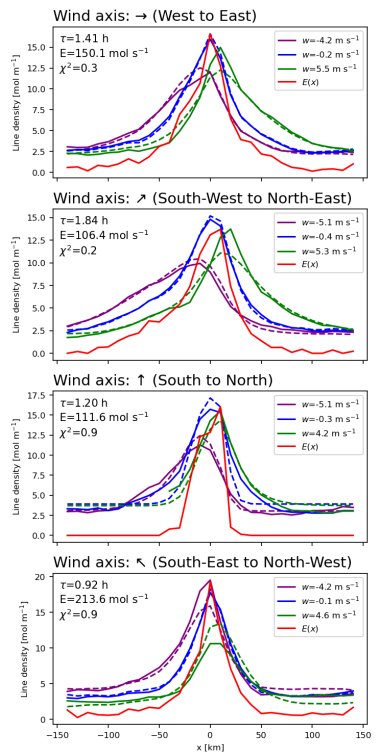
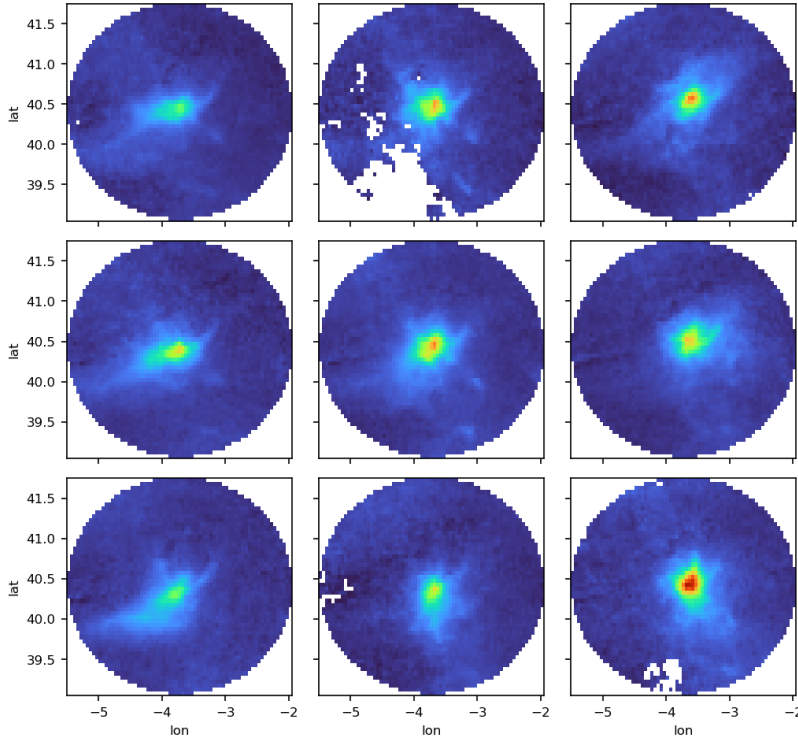
21.4 Autumn



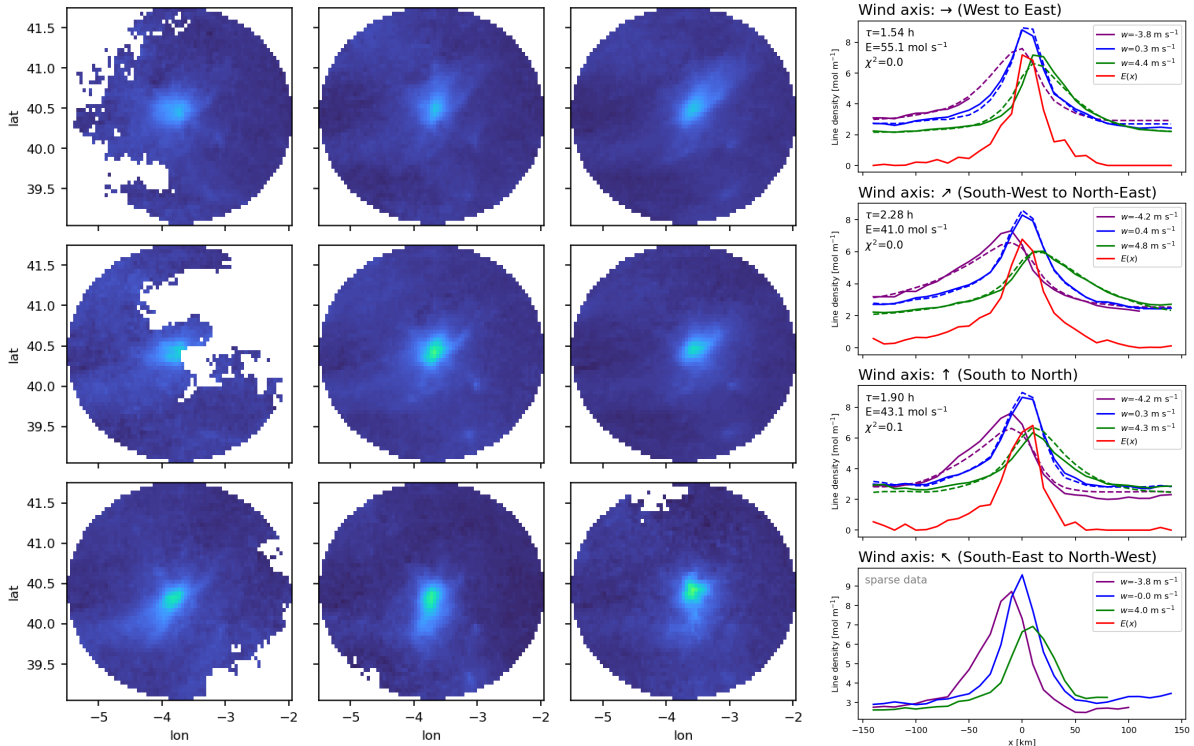
22.1 Winter



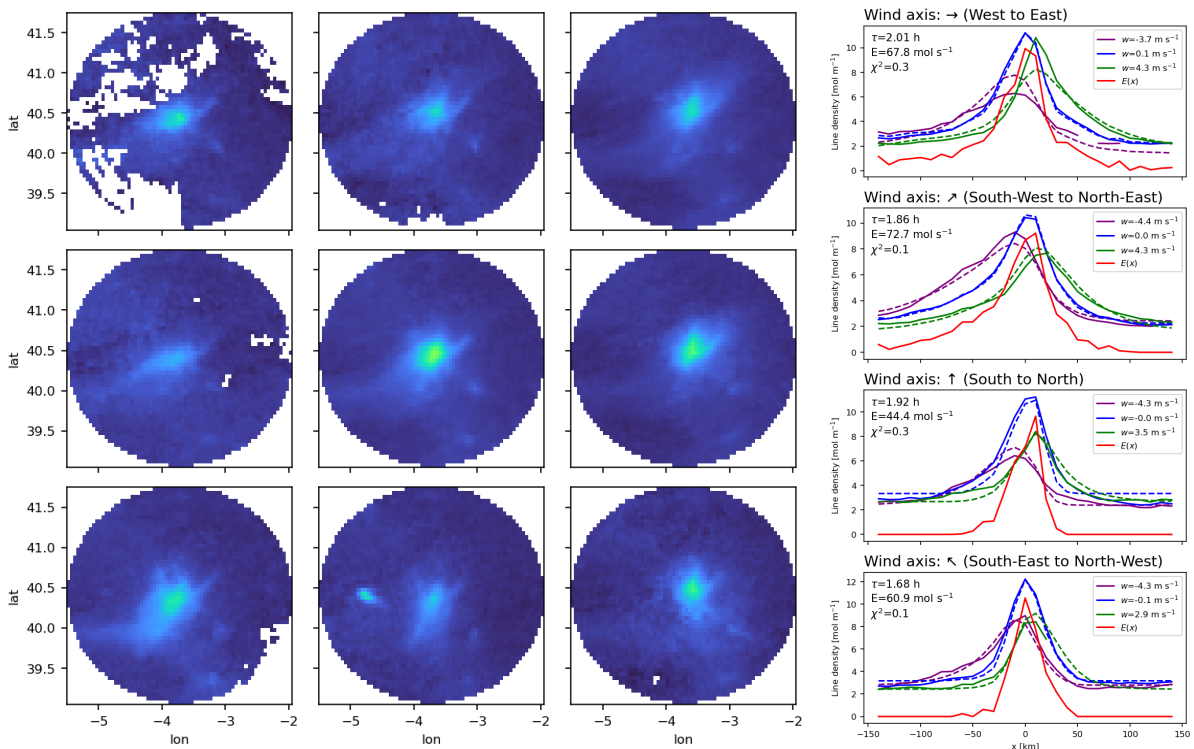
22.2 Spring



22.3 Summer

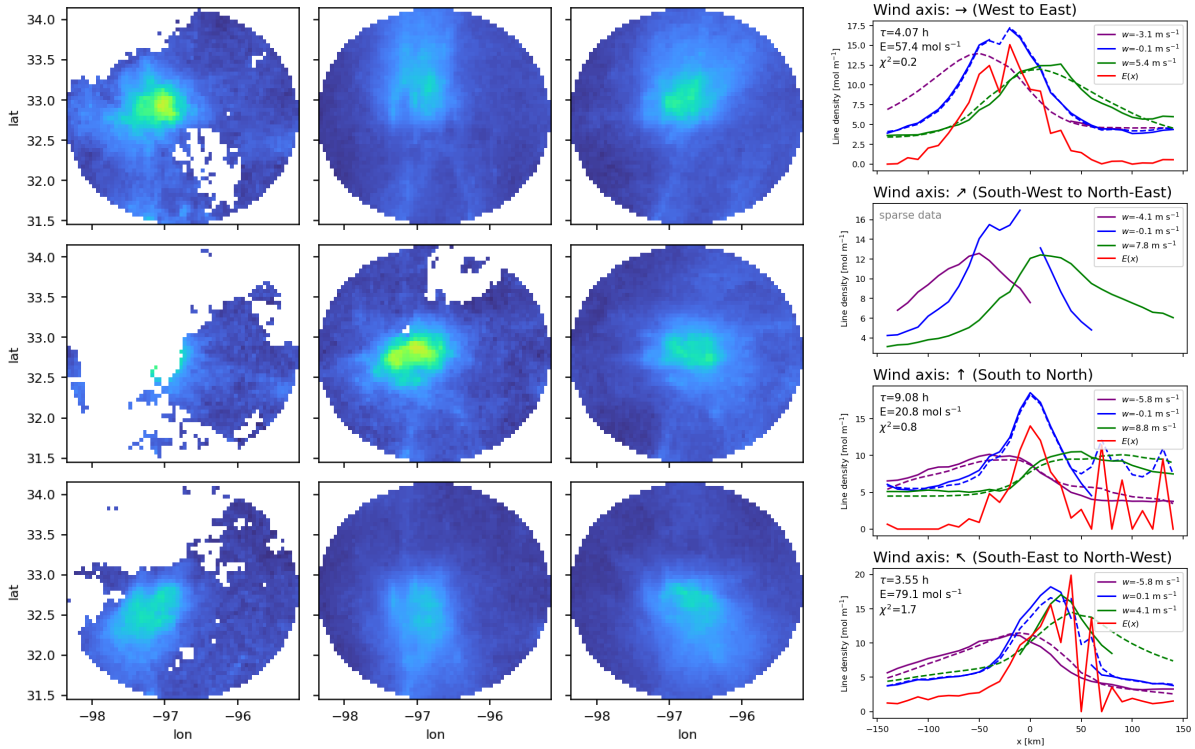


22.4 Autumn

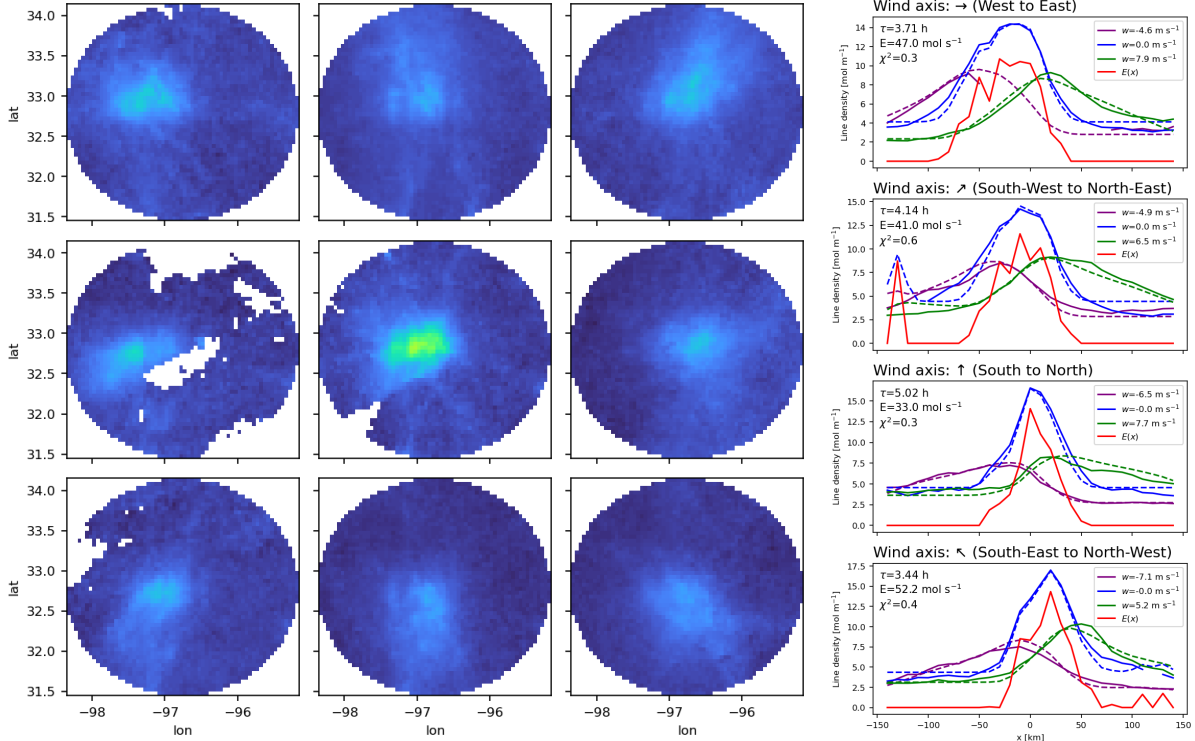


23 Dallas

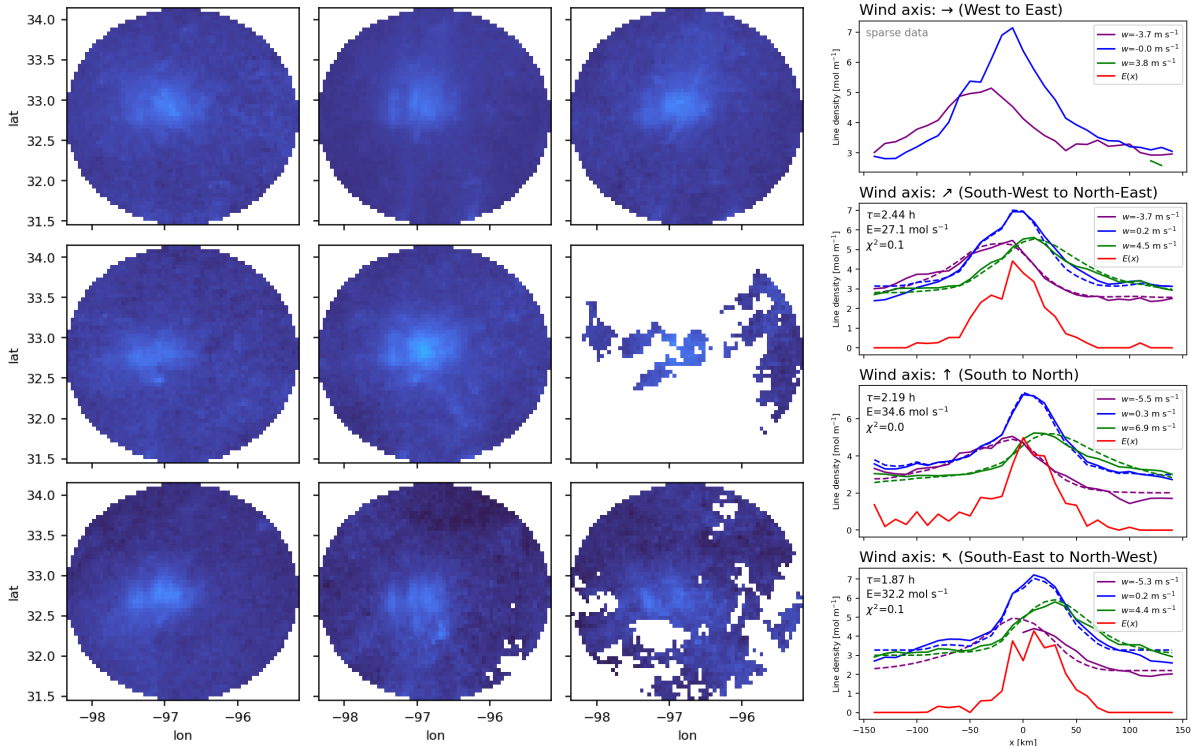
23.1 Winter



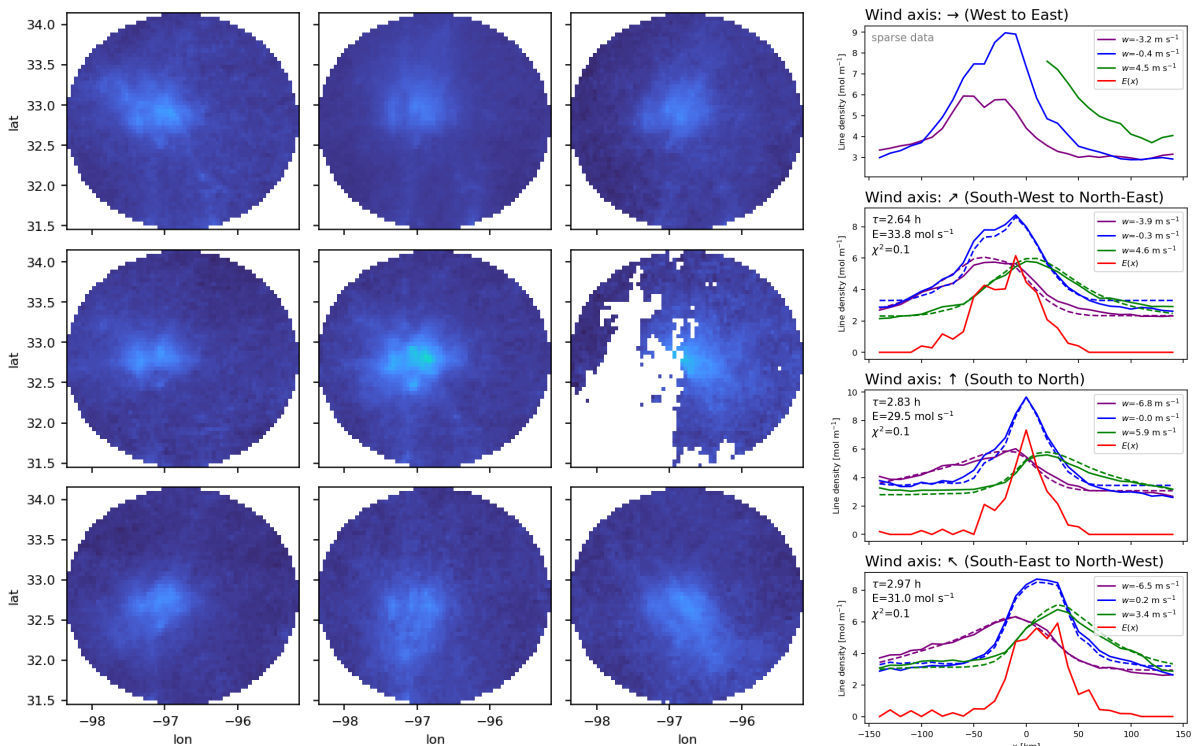
23.2 Spring



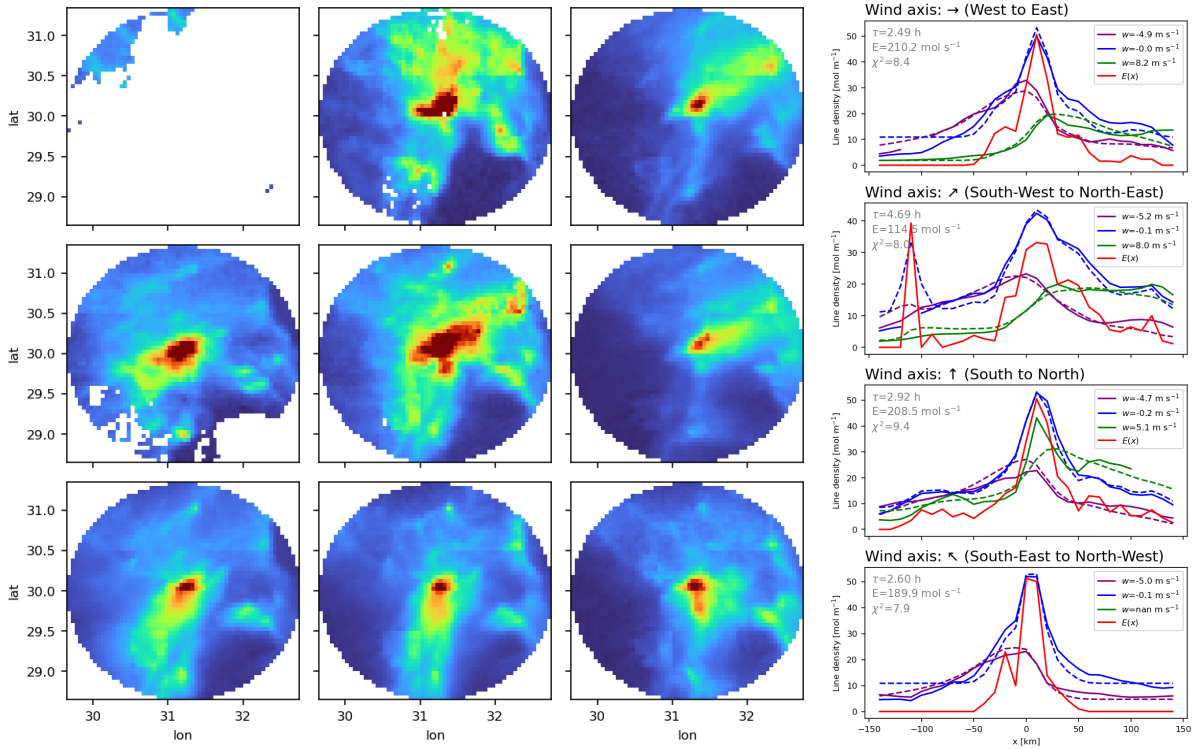
23.3 Summer



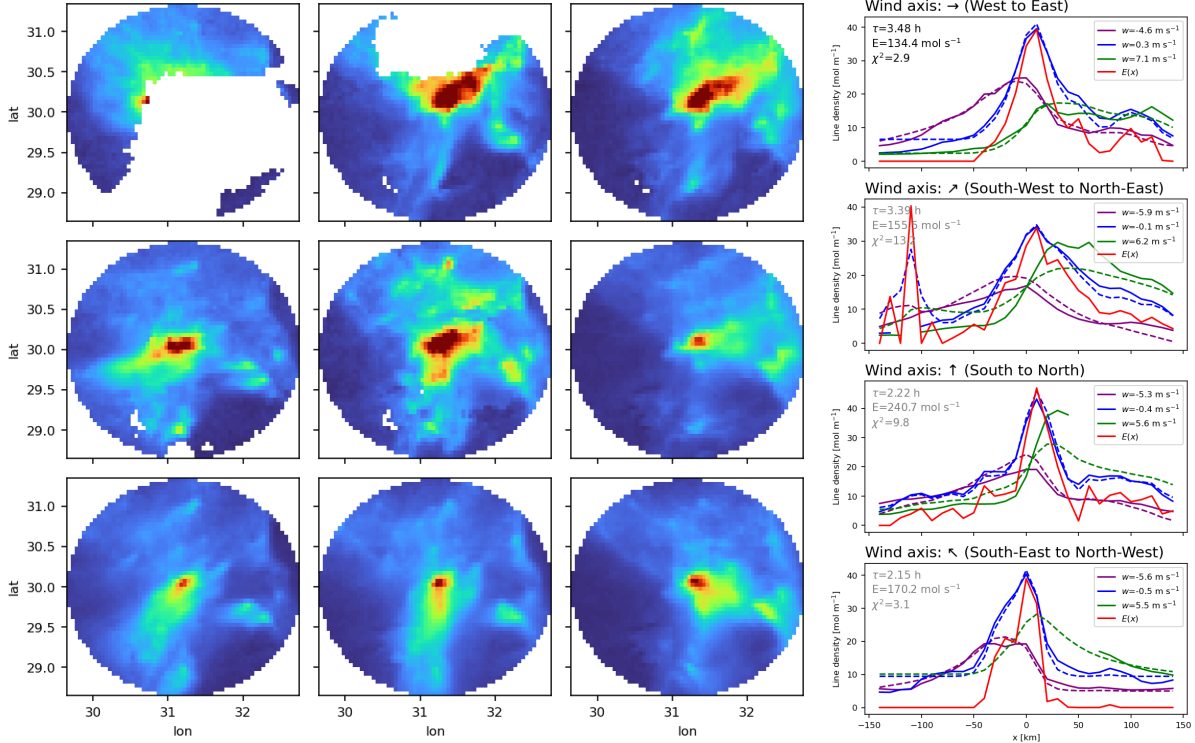
23.4 Autumn



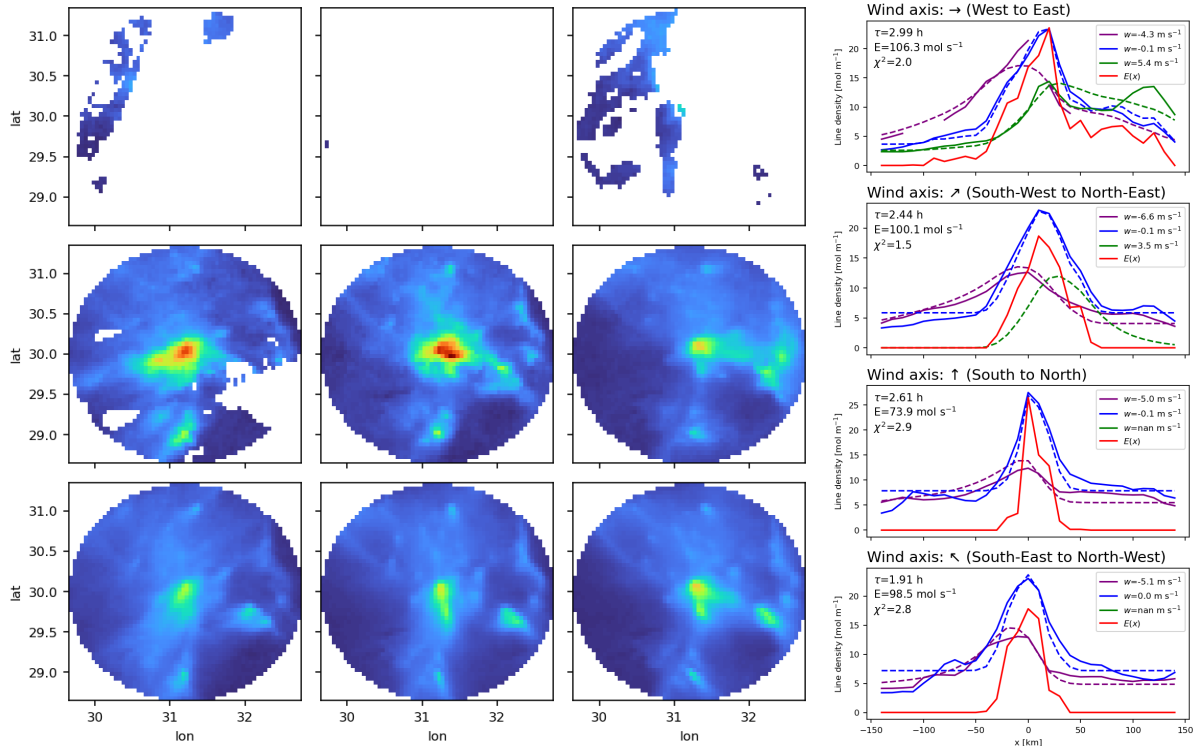
24.1 Winter



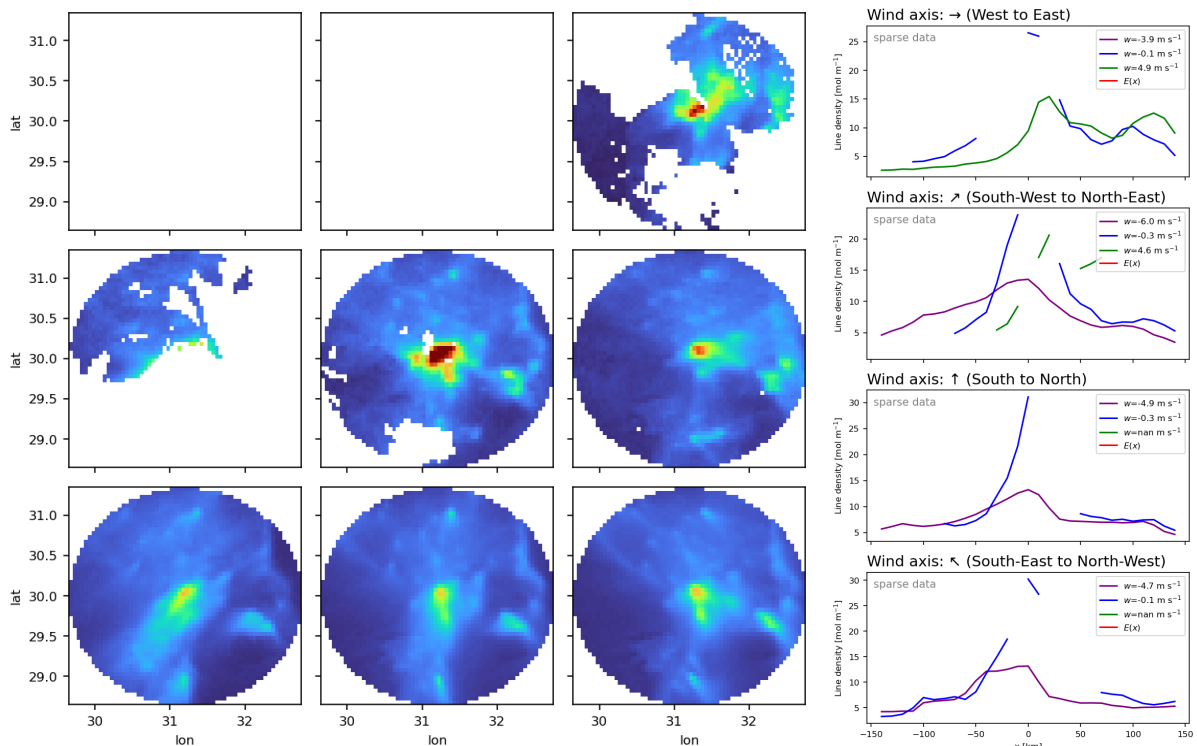
24.2 Spring



24.3 Summer

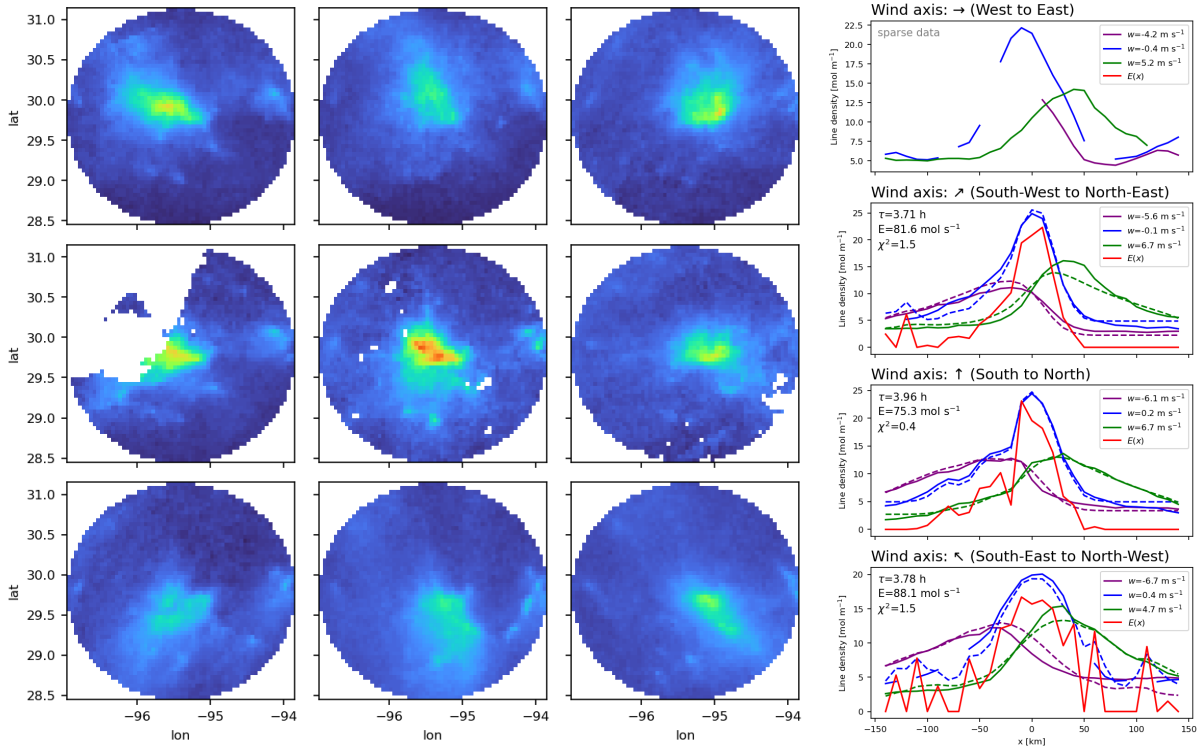


24.4 Autumn

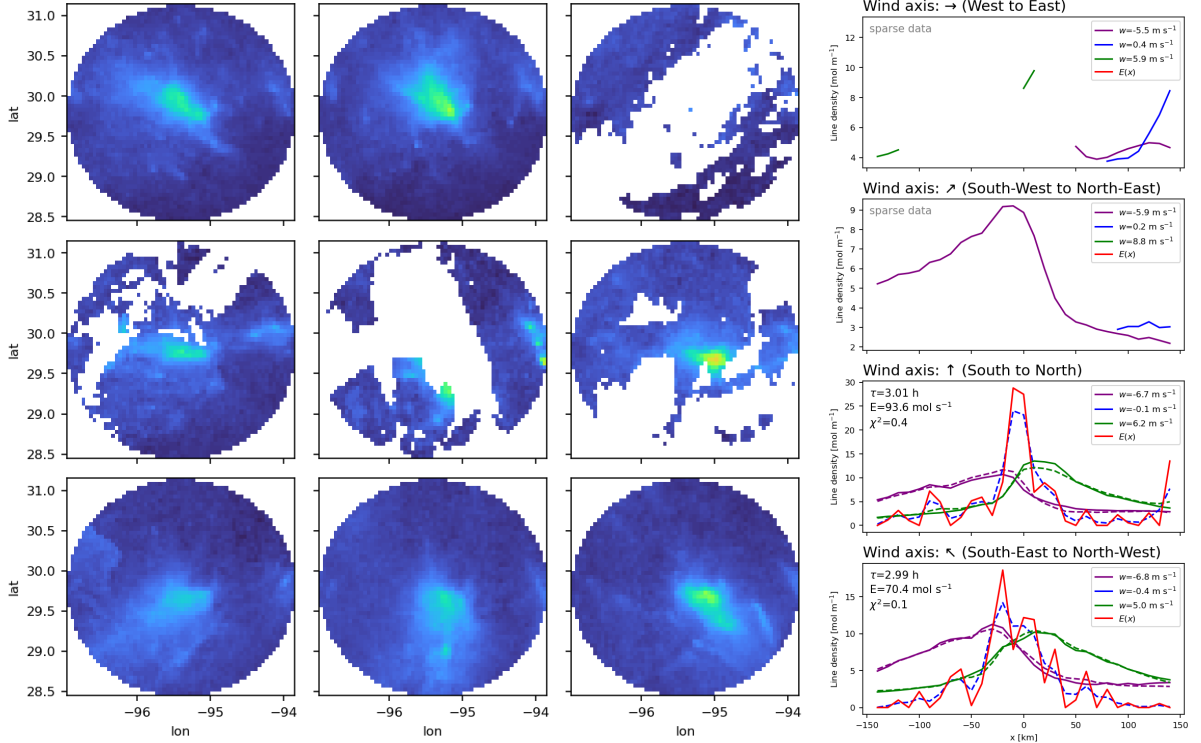


25 Houston

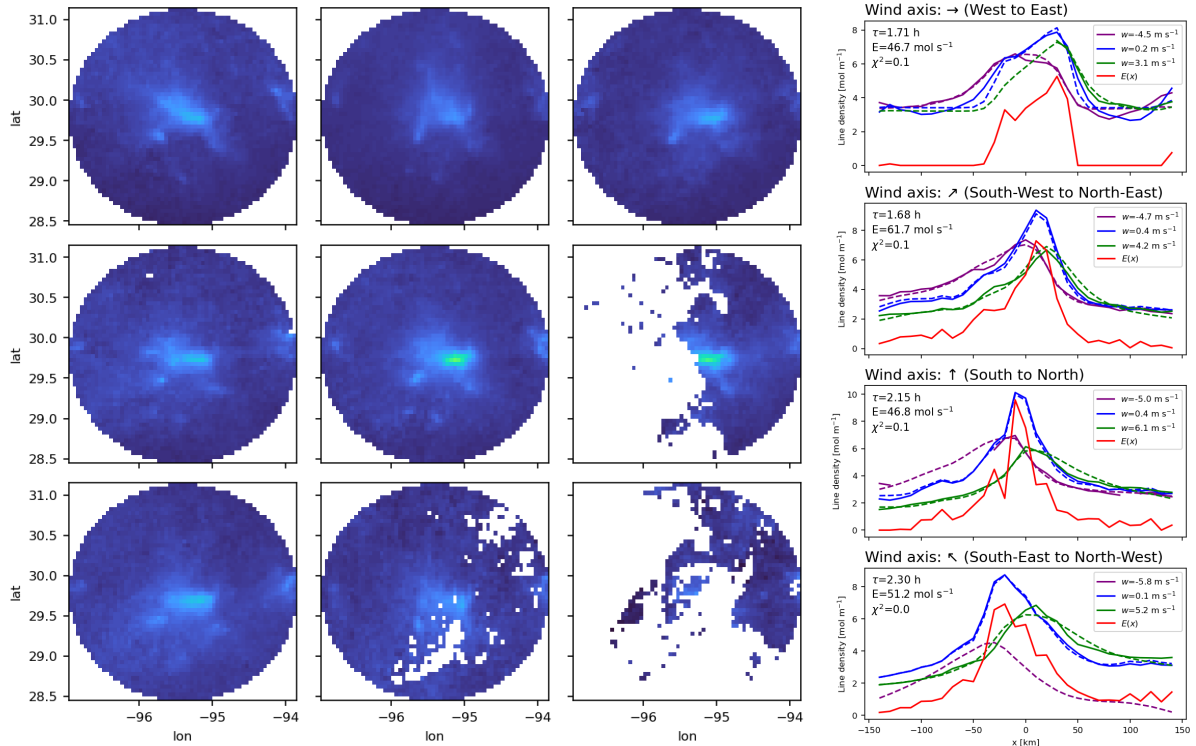
25.1 Winter



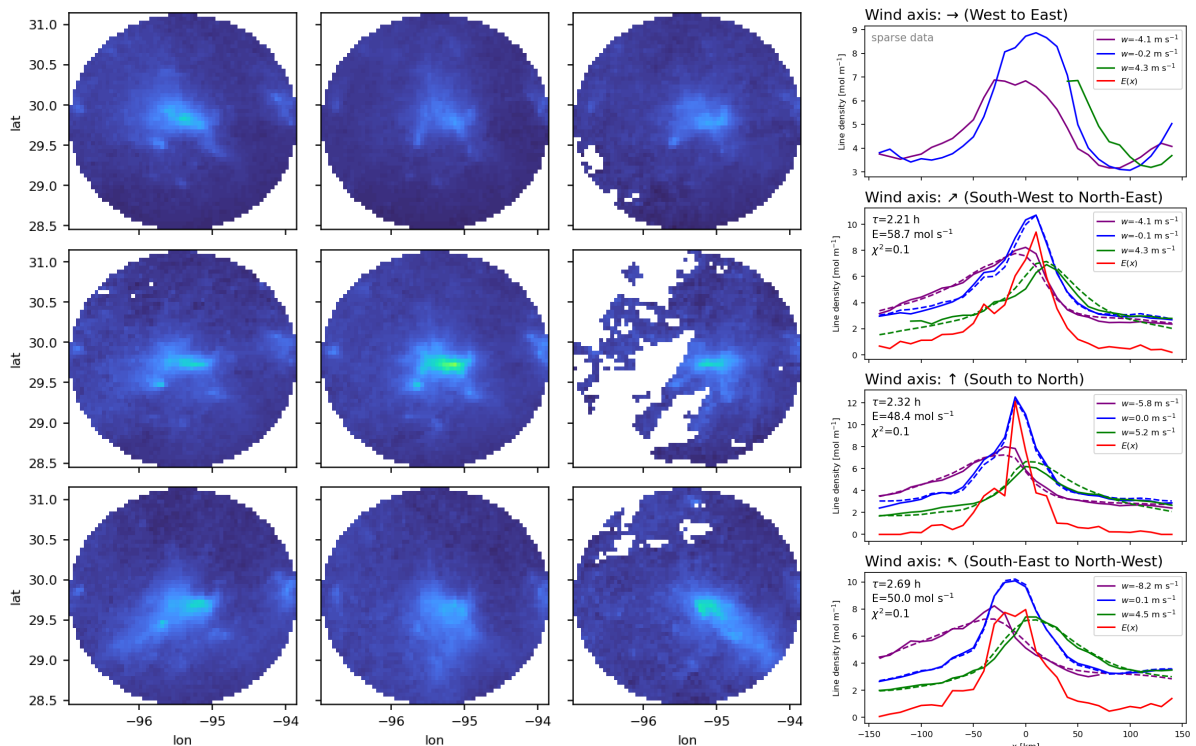
25.2 Spring



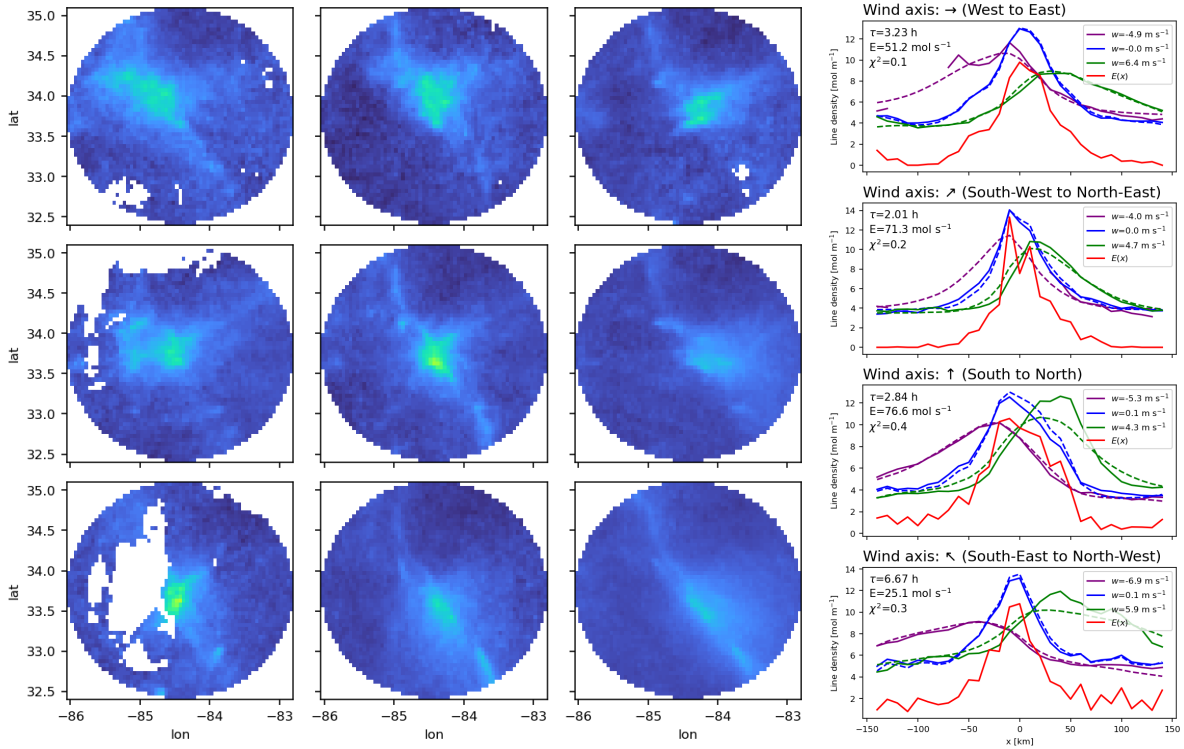
25.3 Summer



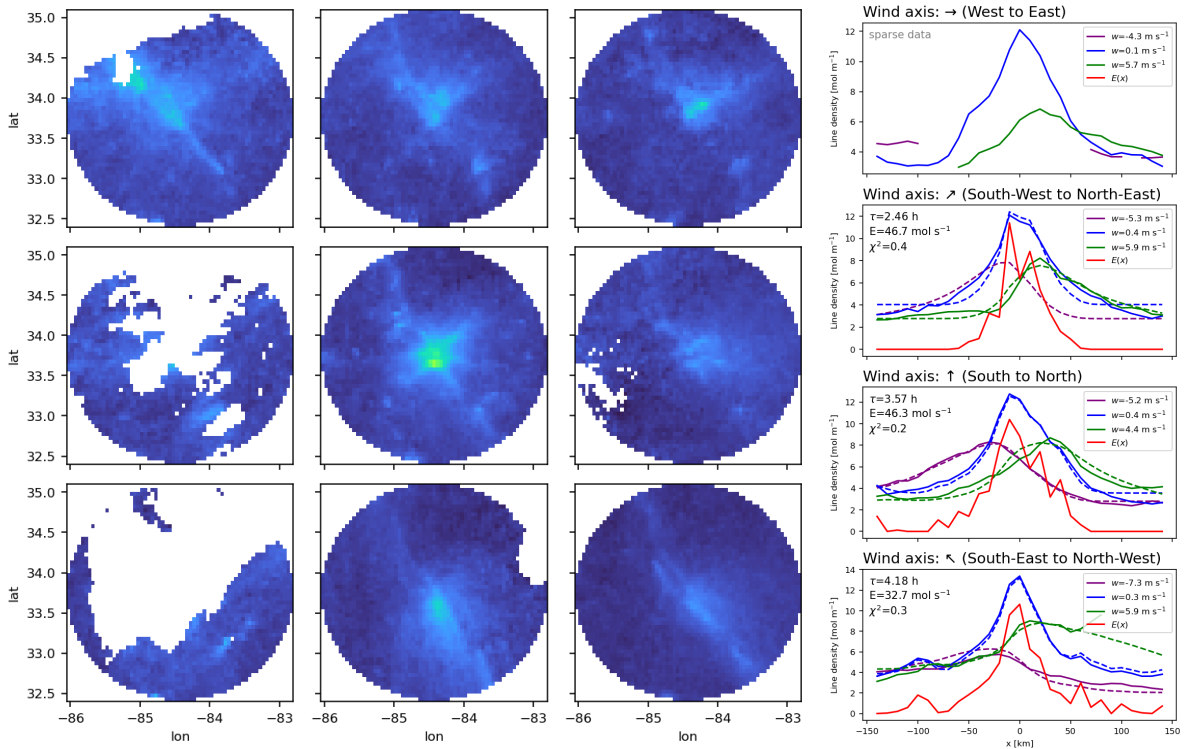
25.4 Autumn



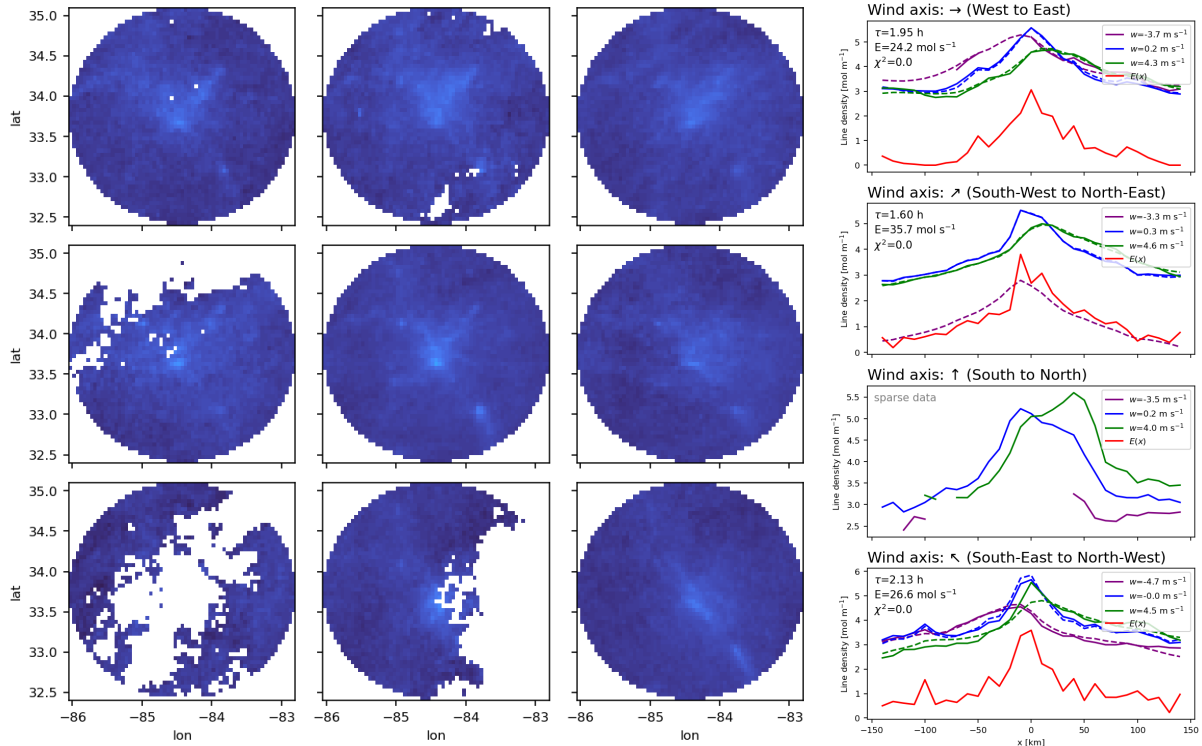
26.1 Winter



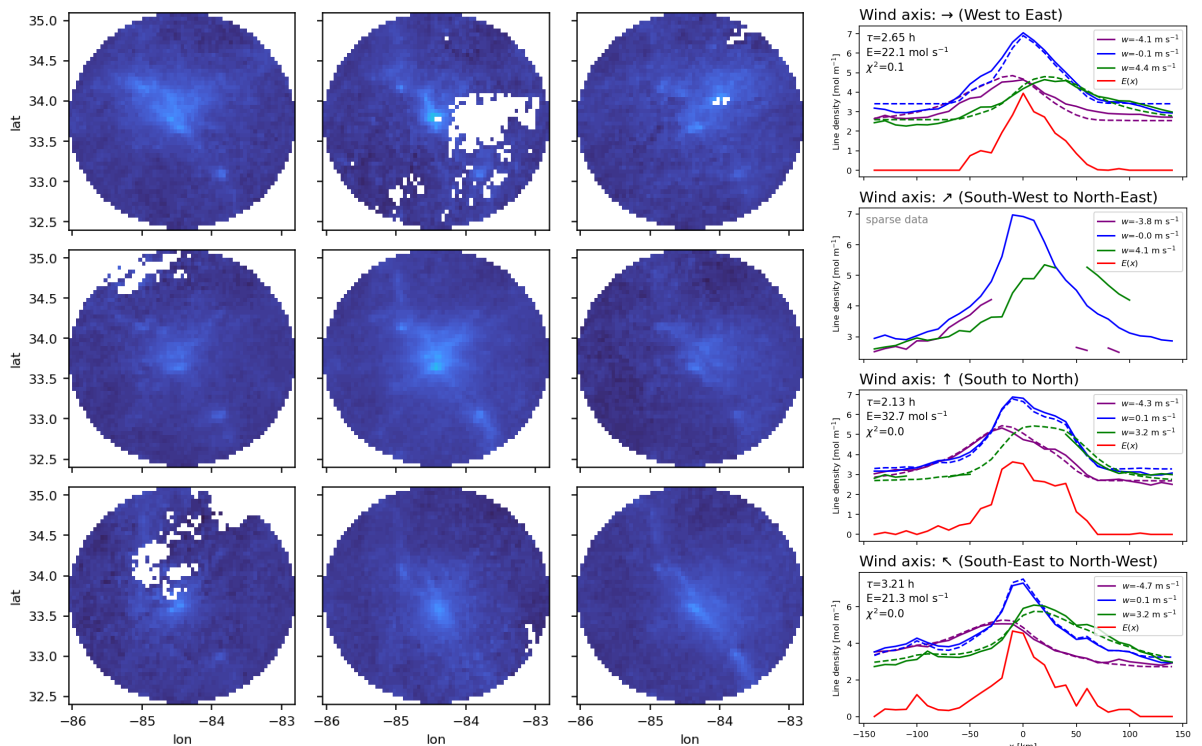
26.2 Spring



26.3 Summer

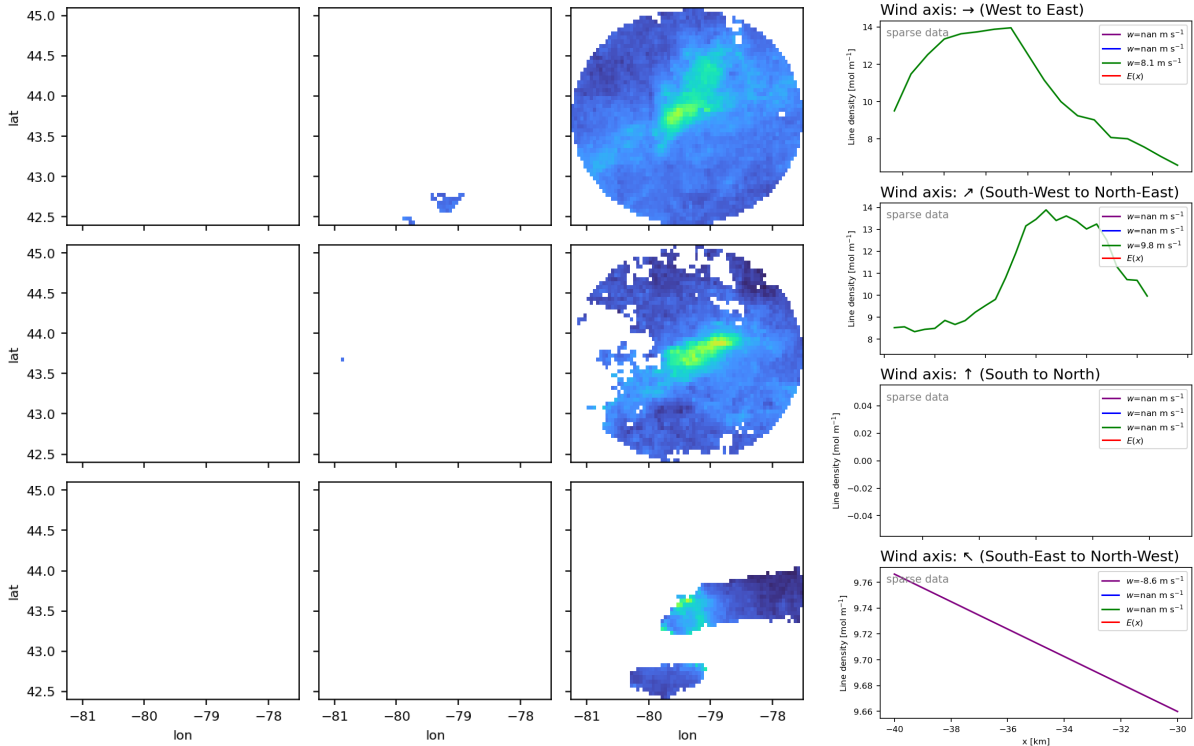


26.4 Autumn

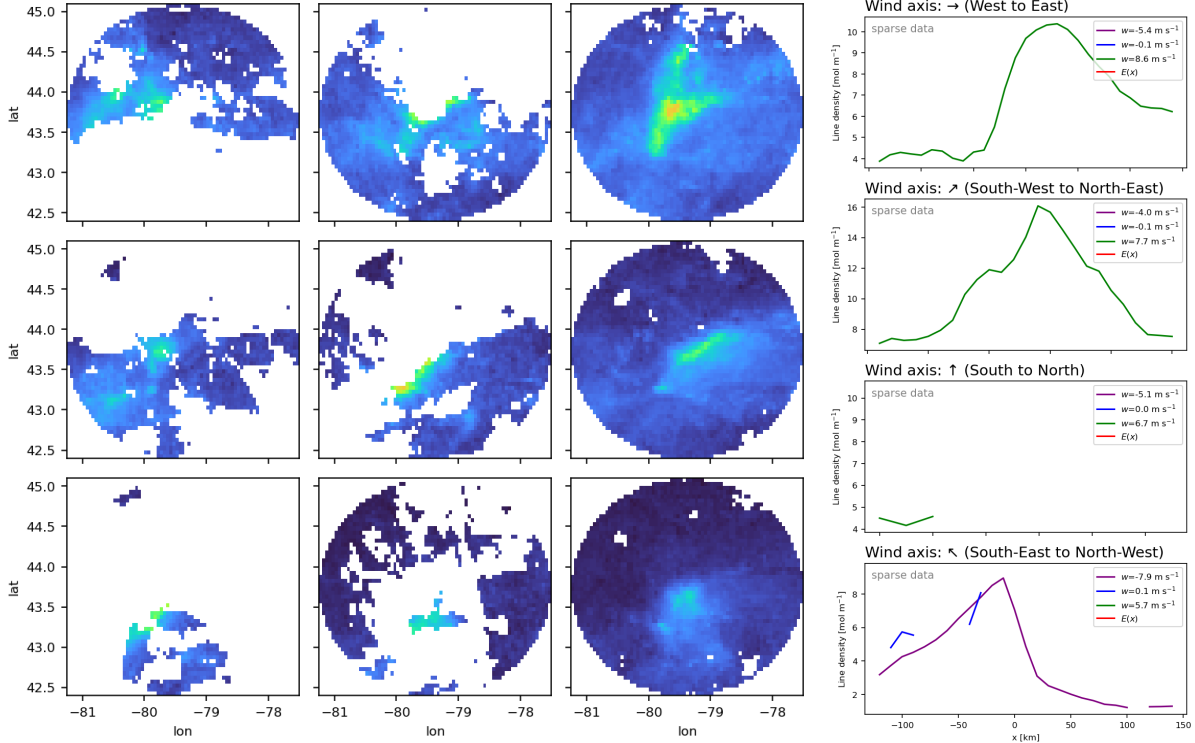


27 Toronto

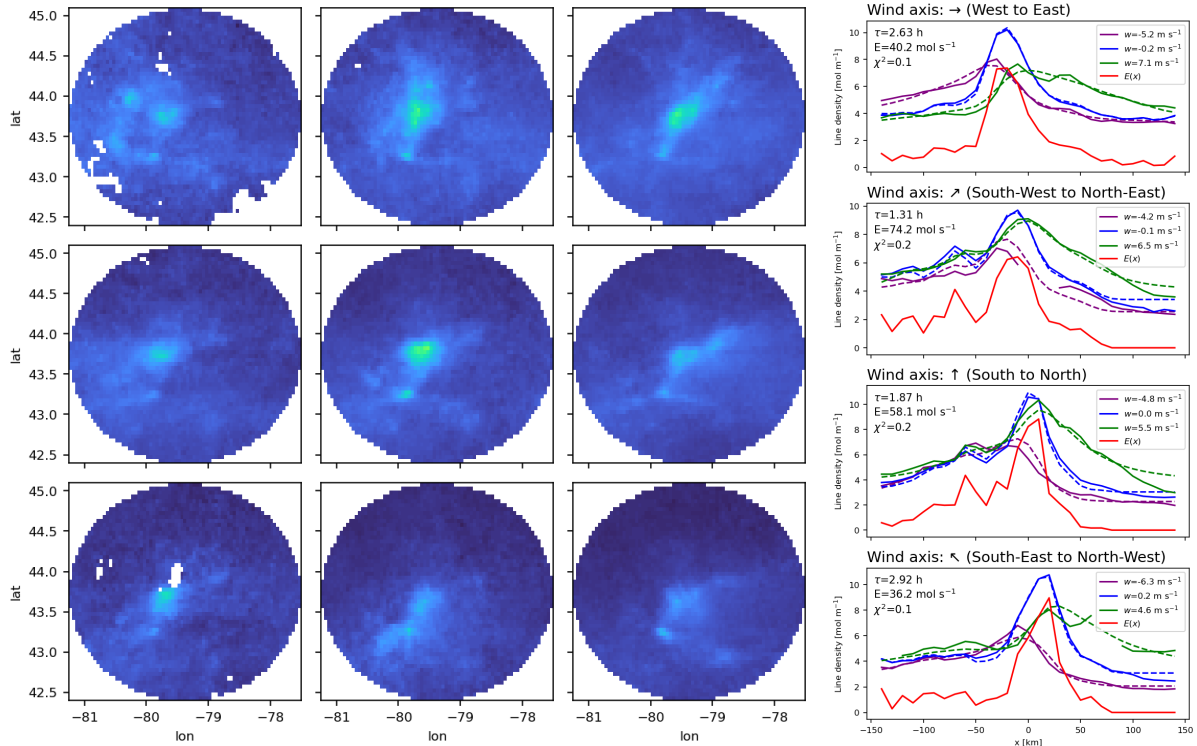
27.1 Winter



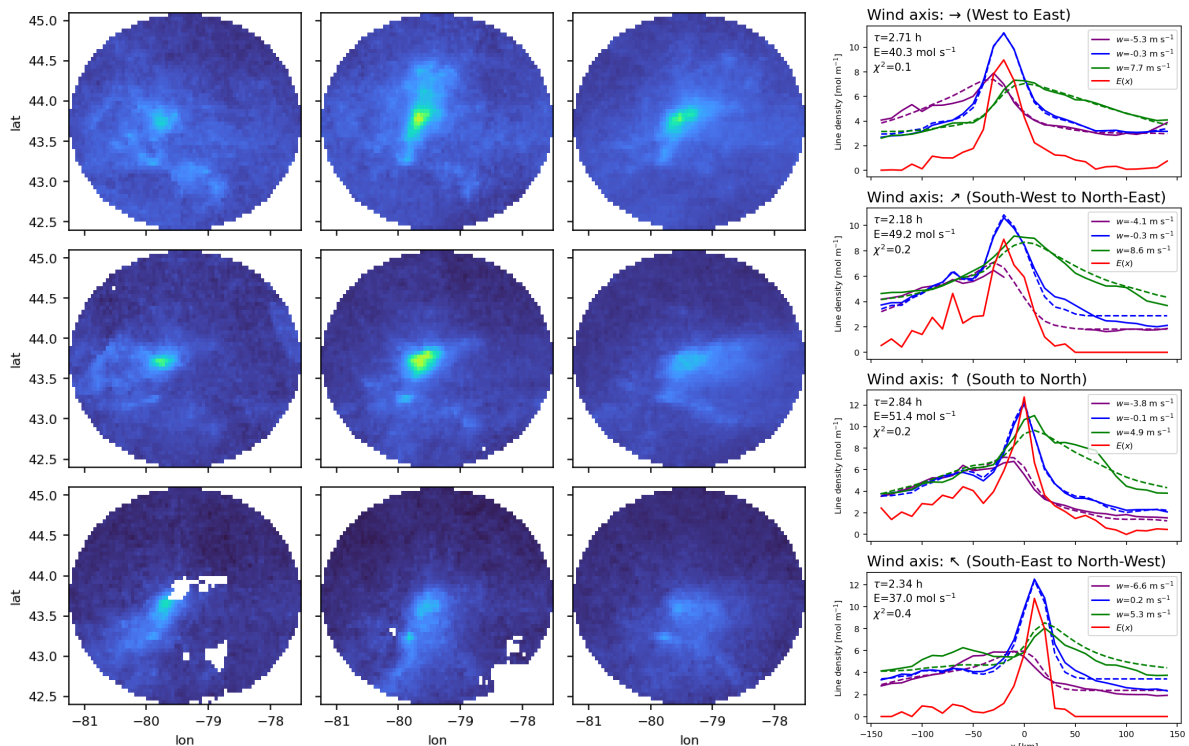
27.2 Spring



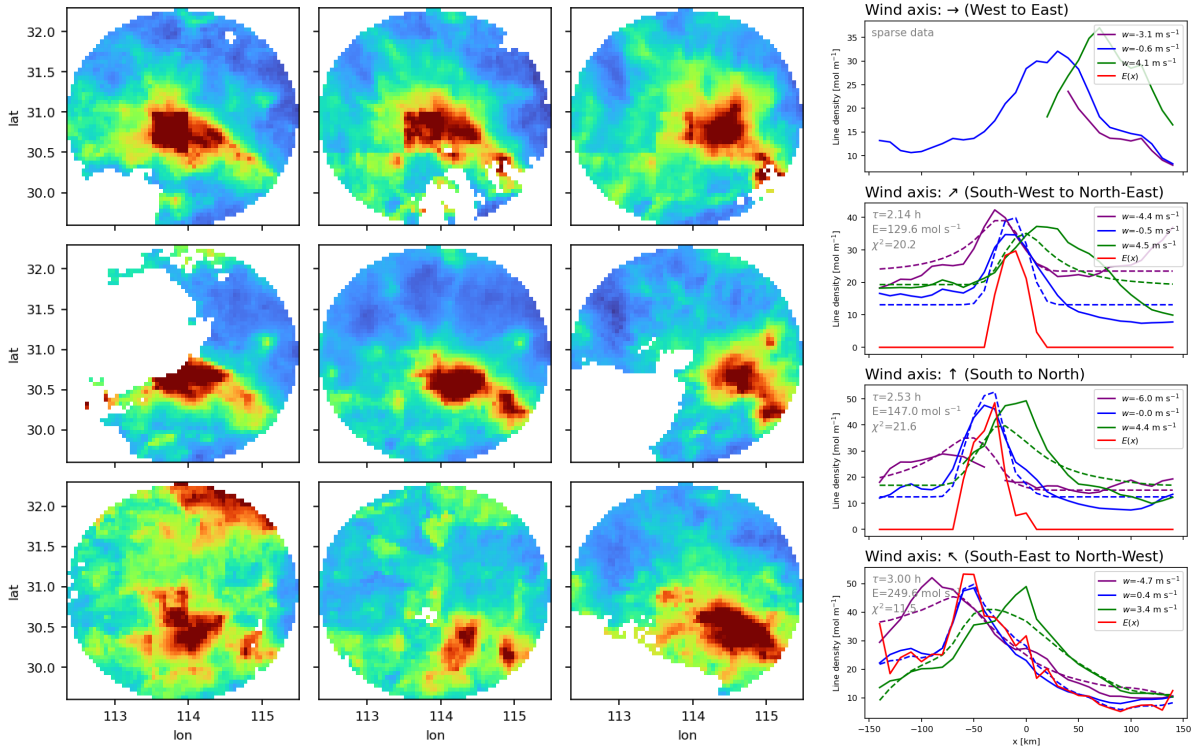
27.3 Summer



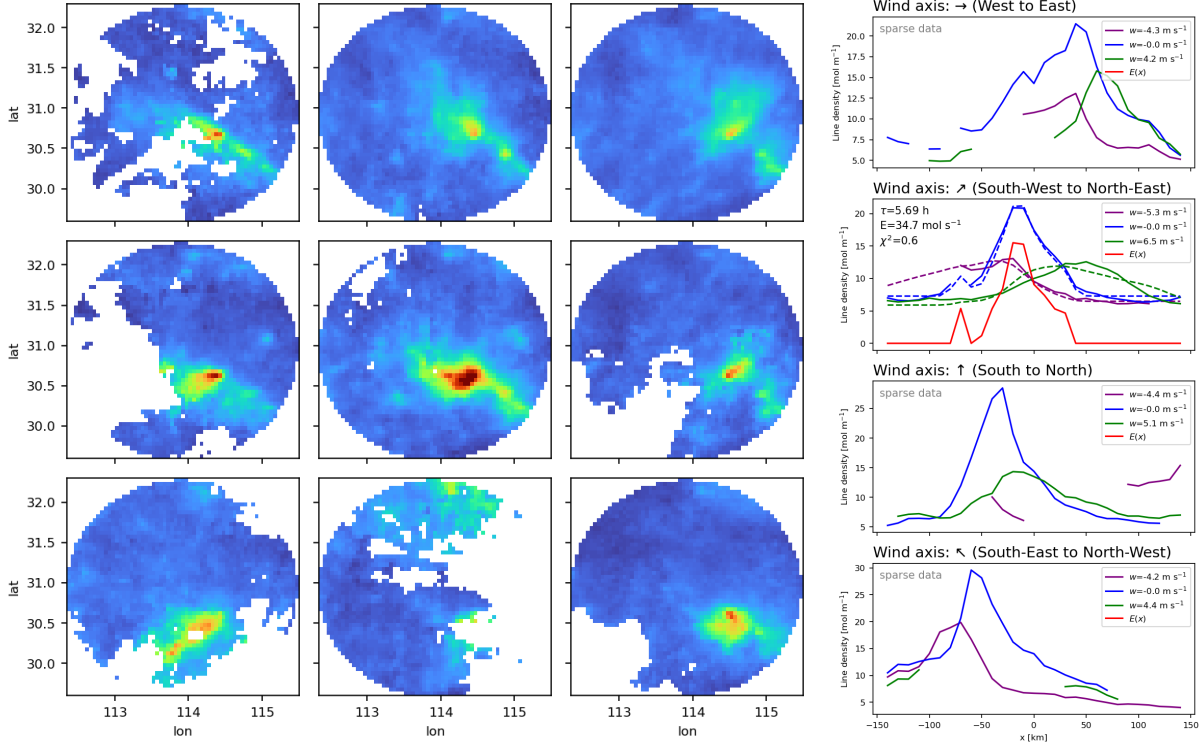
27.4 Autumn



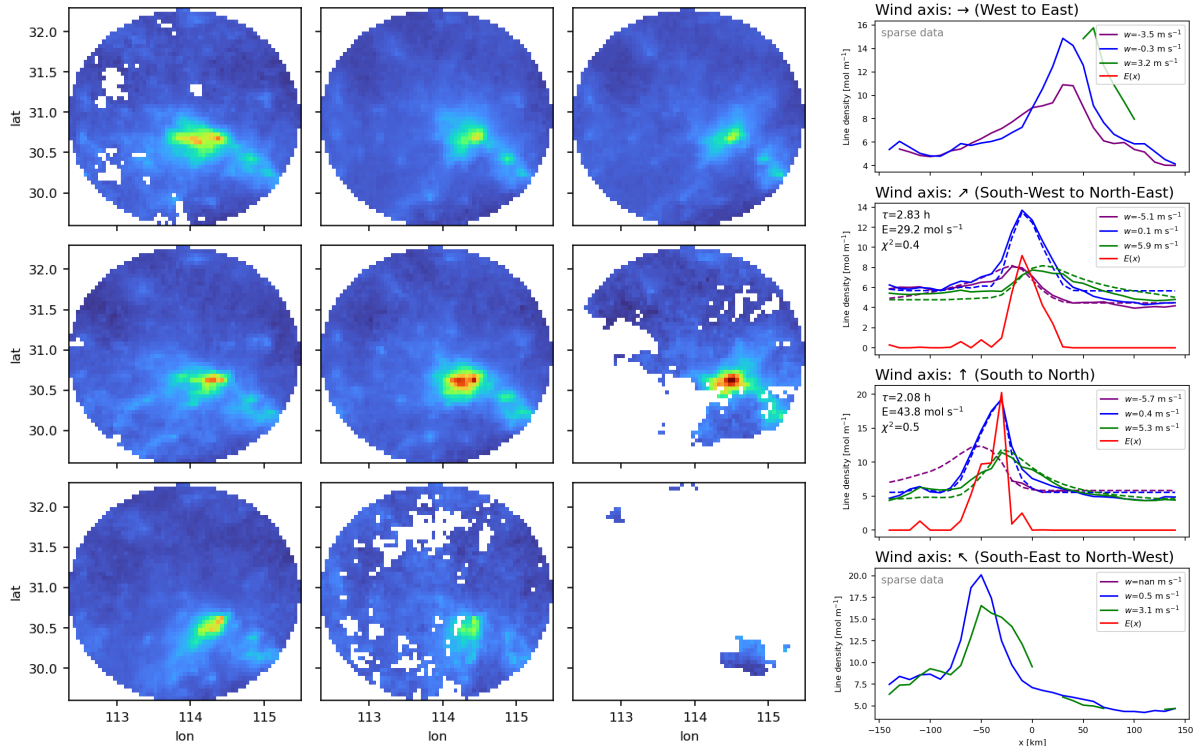
28.1 Winter



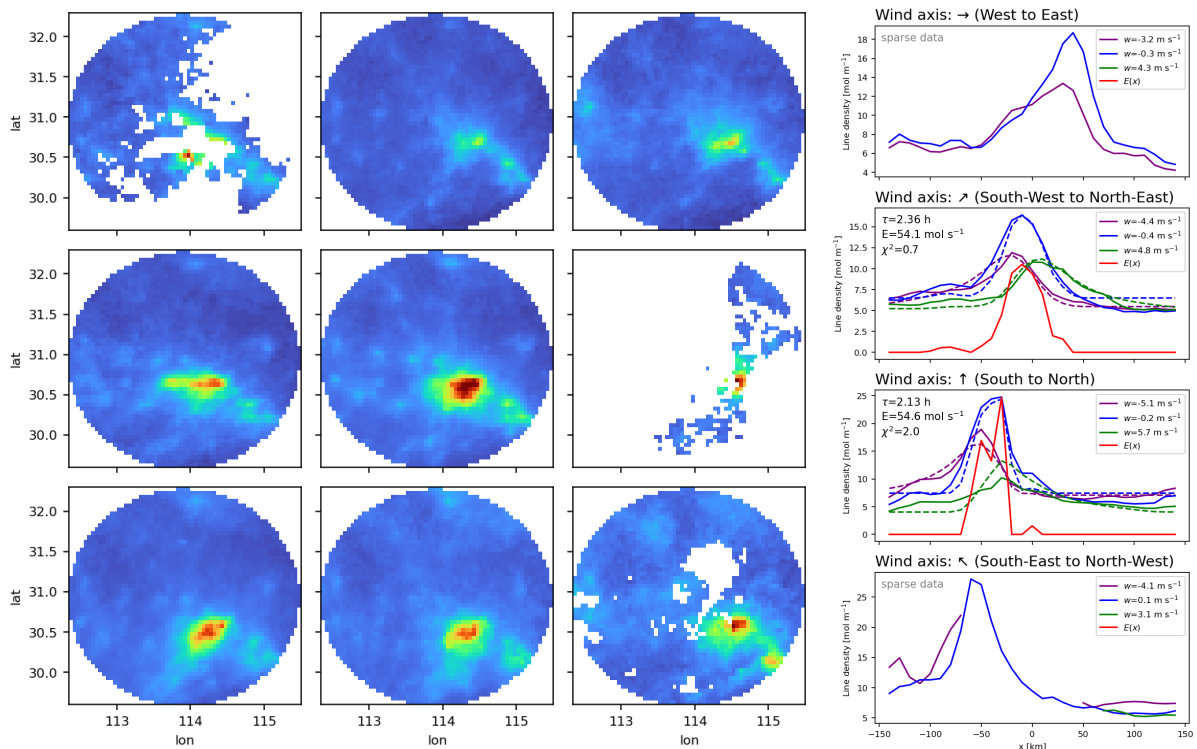
28.2 Spring



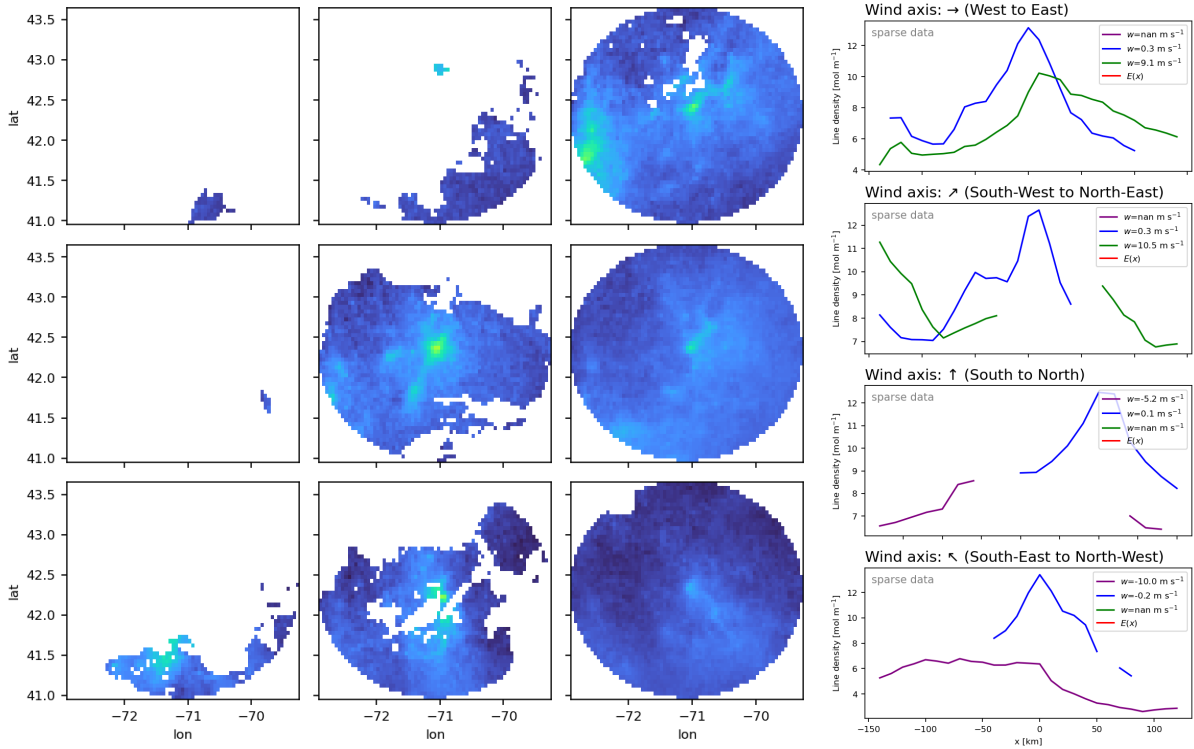
28.3 Summer



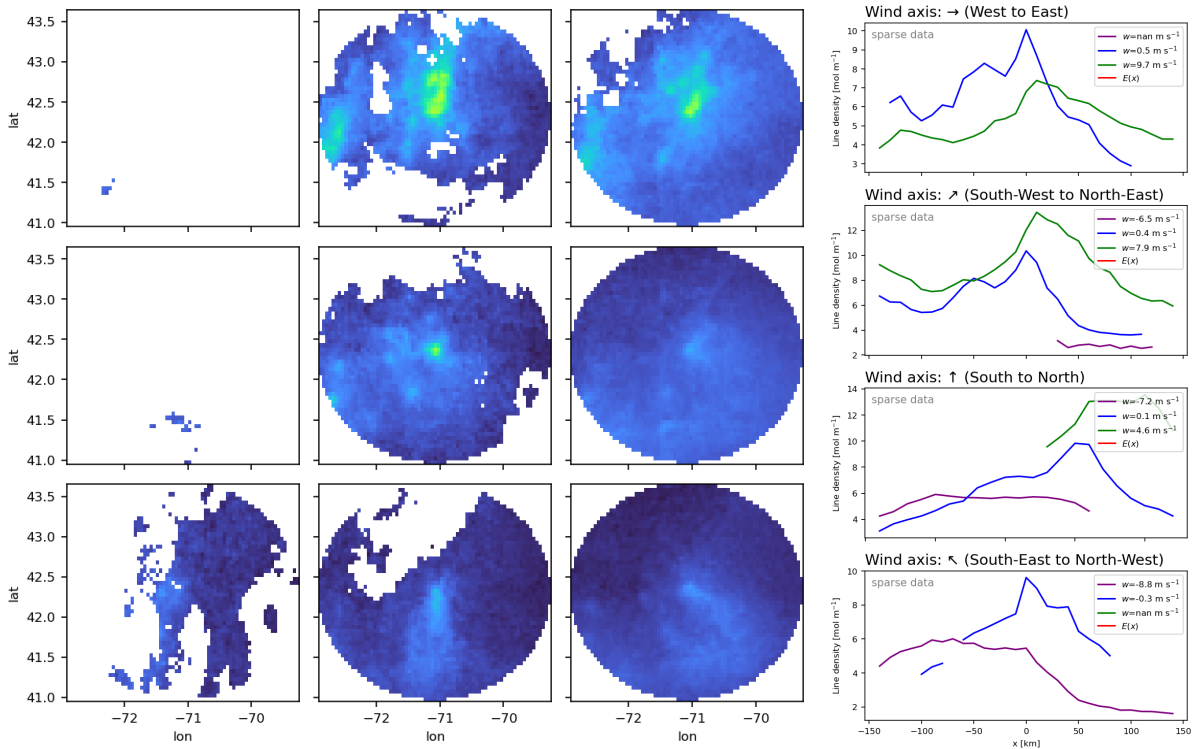
28.4 Autumn



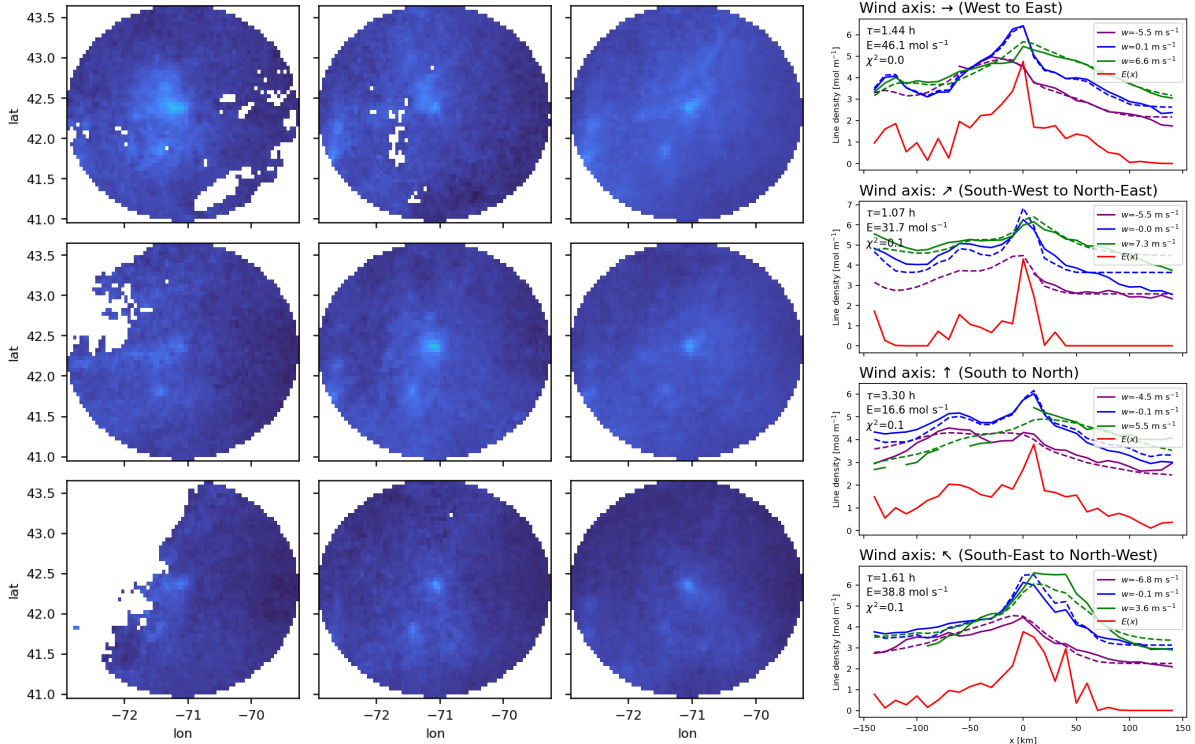
29.1 Winter



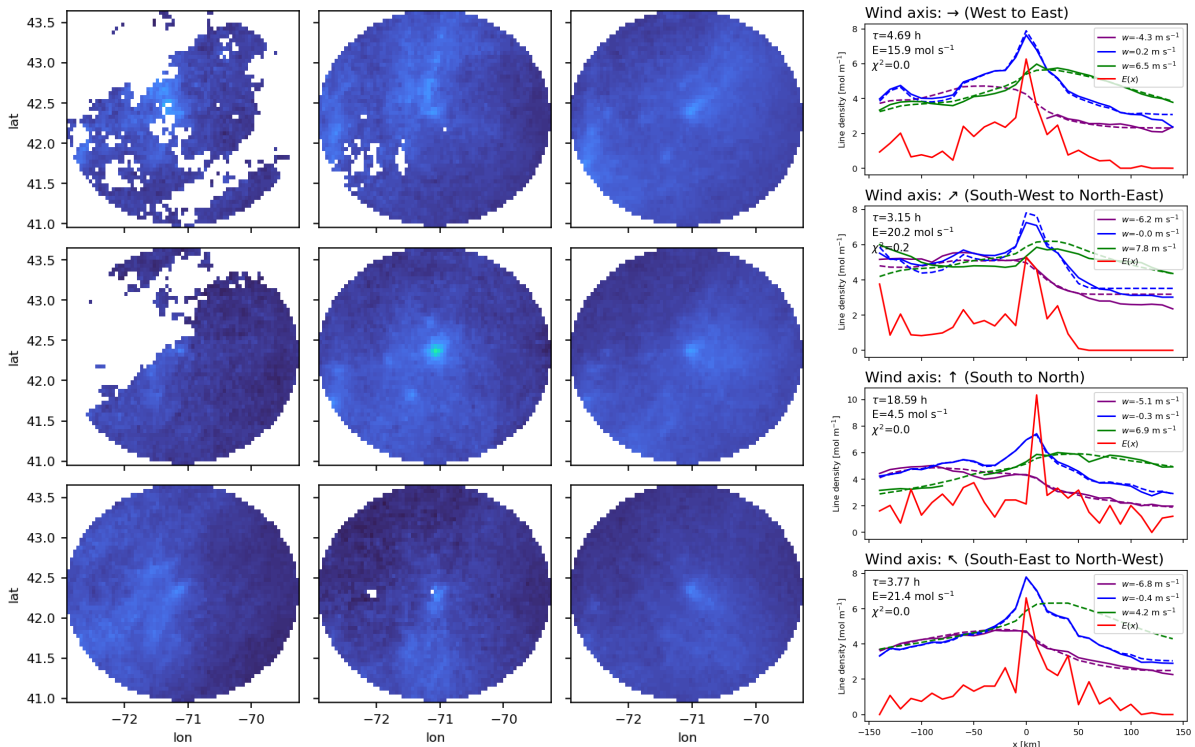
29.2 Spring



29.3 Summer

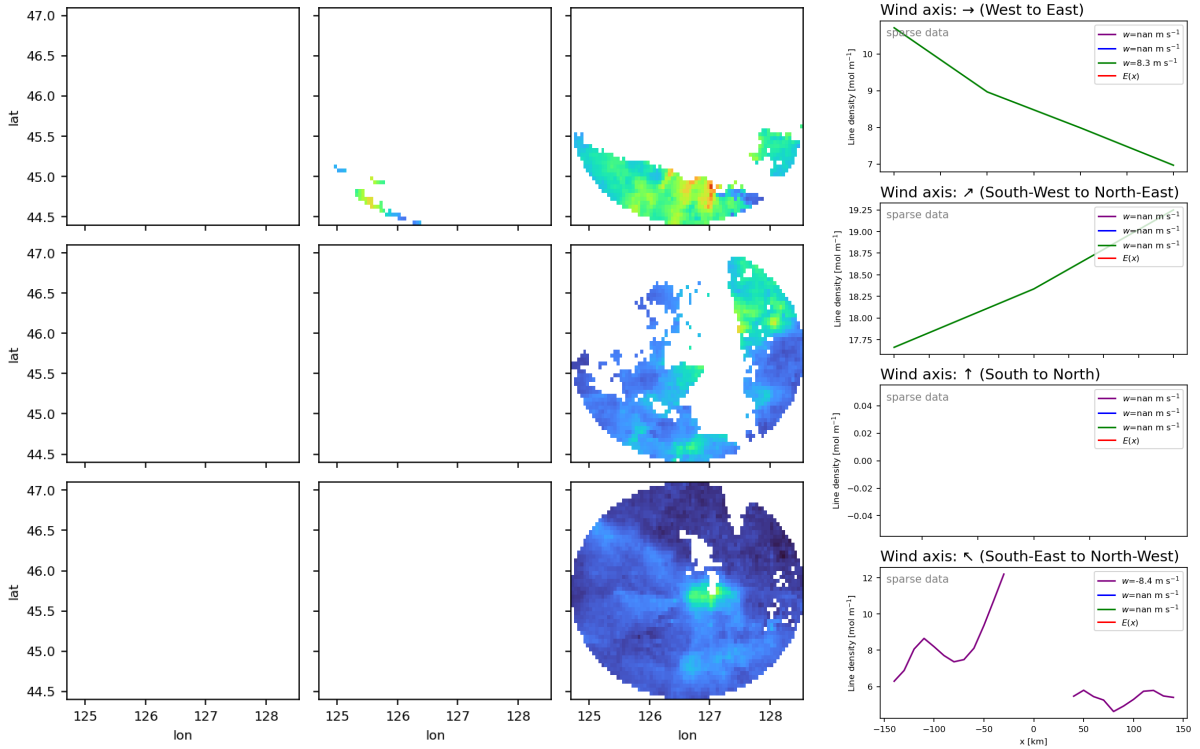


29.4 Autumn

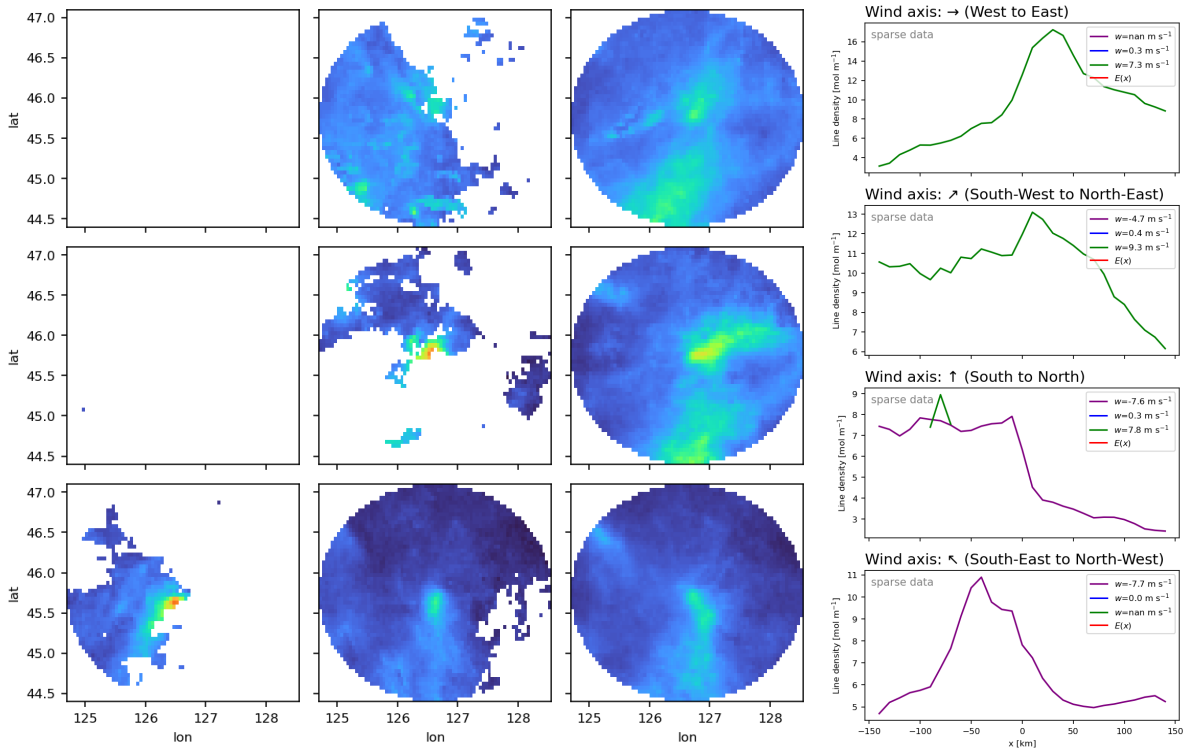


30 Harbin

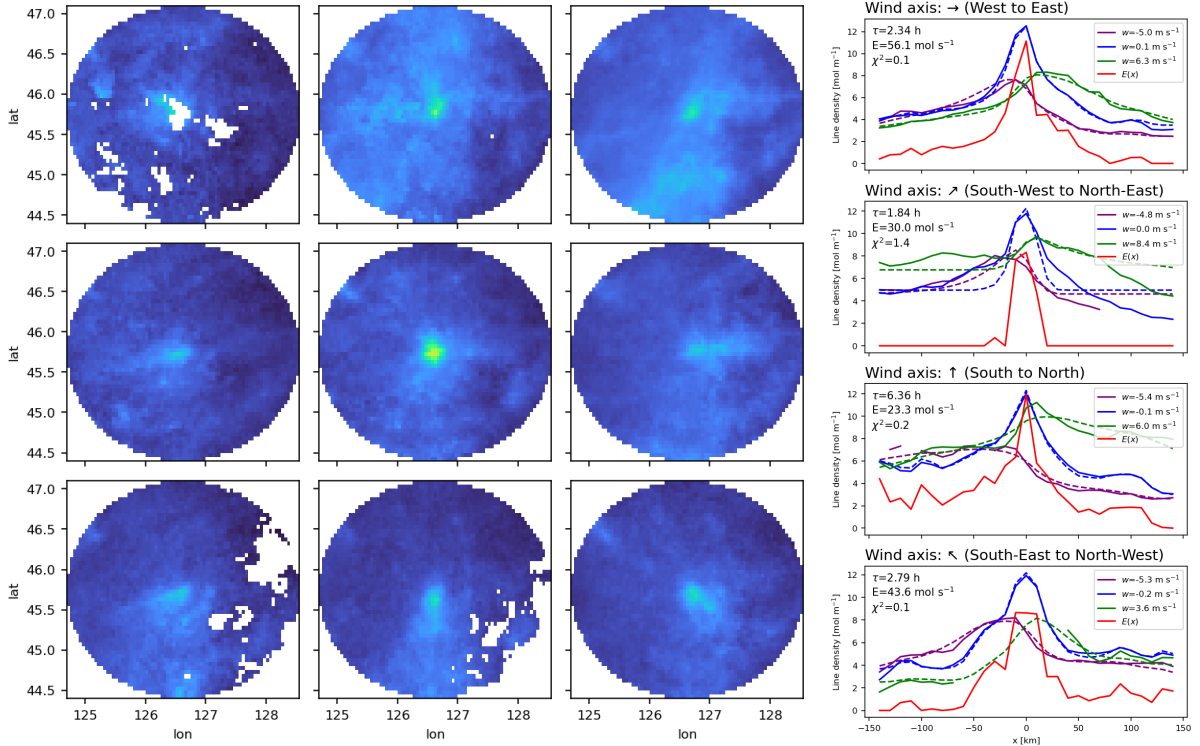
30.1 Winter



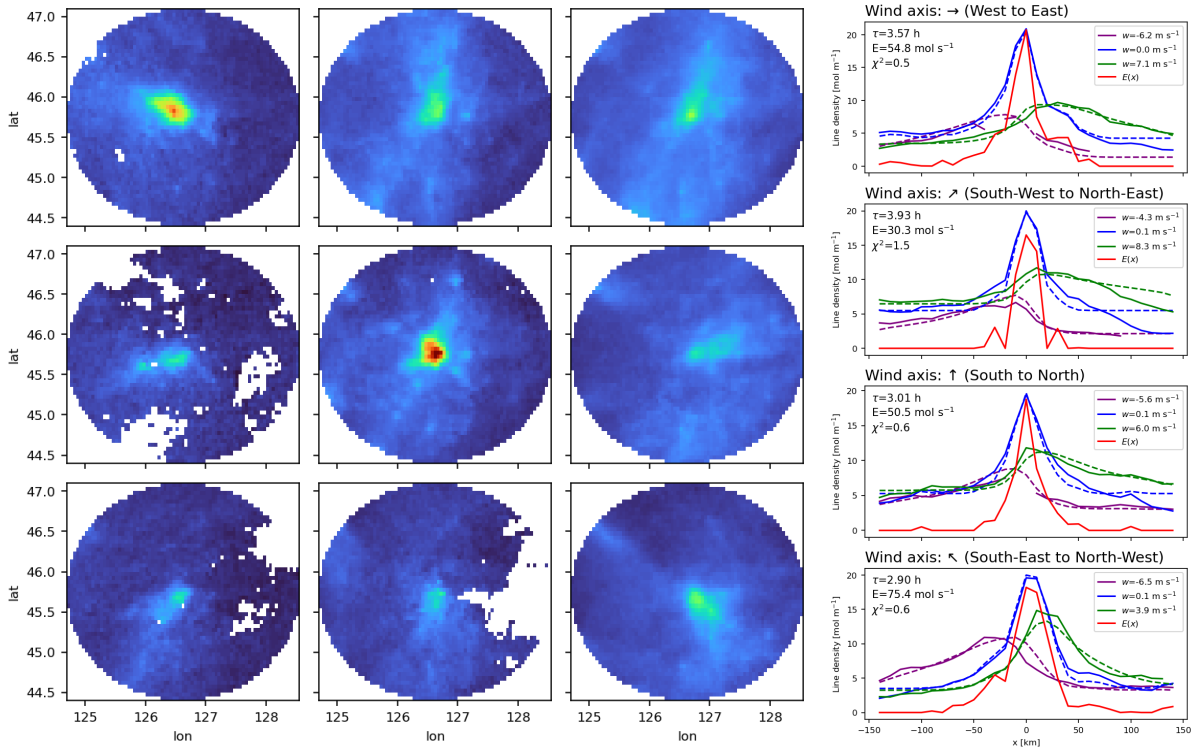
30.2 Spring



30.3 Summer

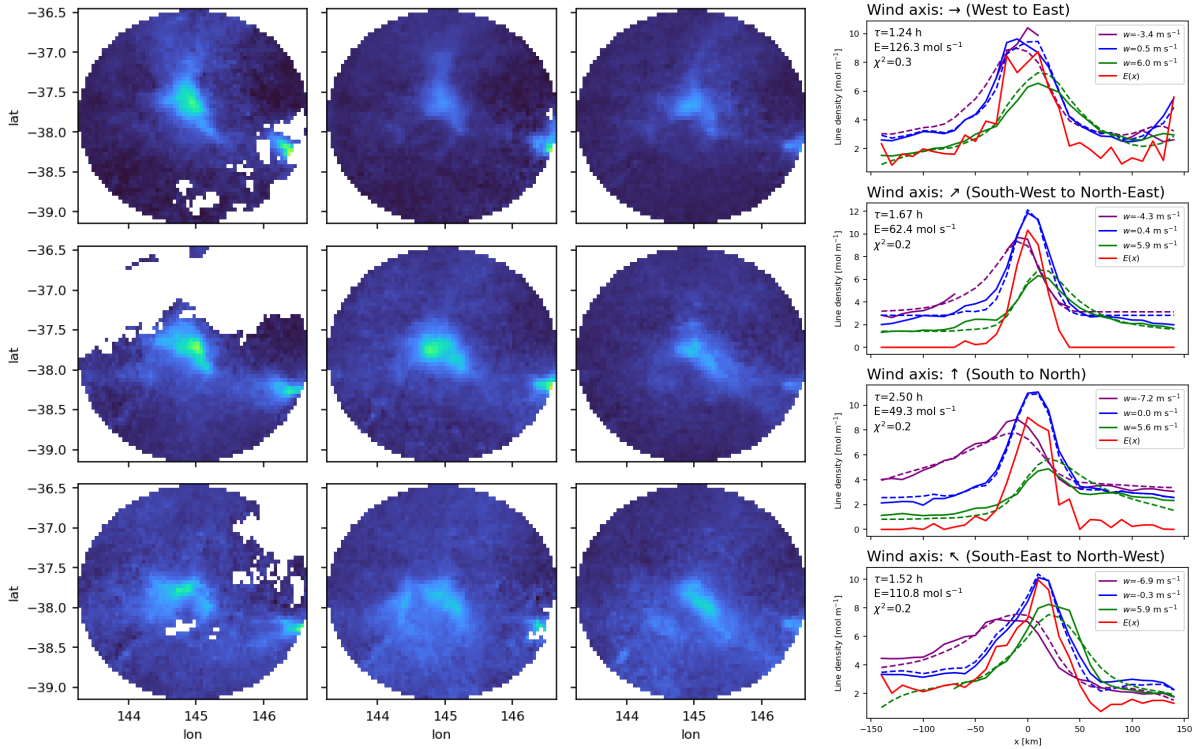


30.4 Autumn

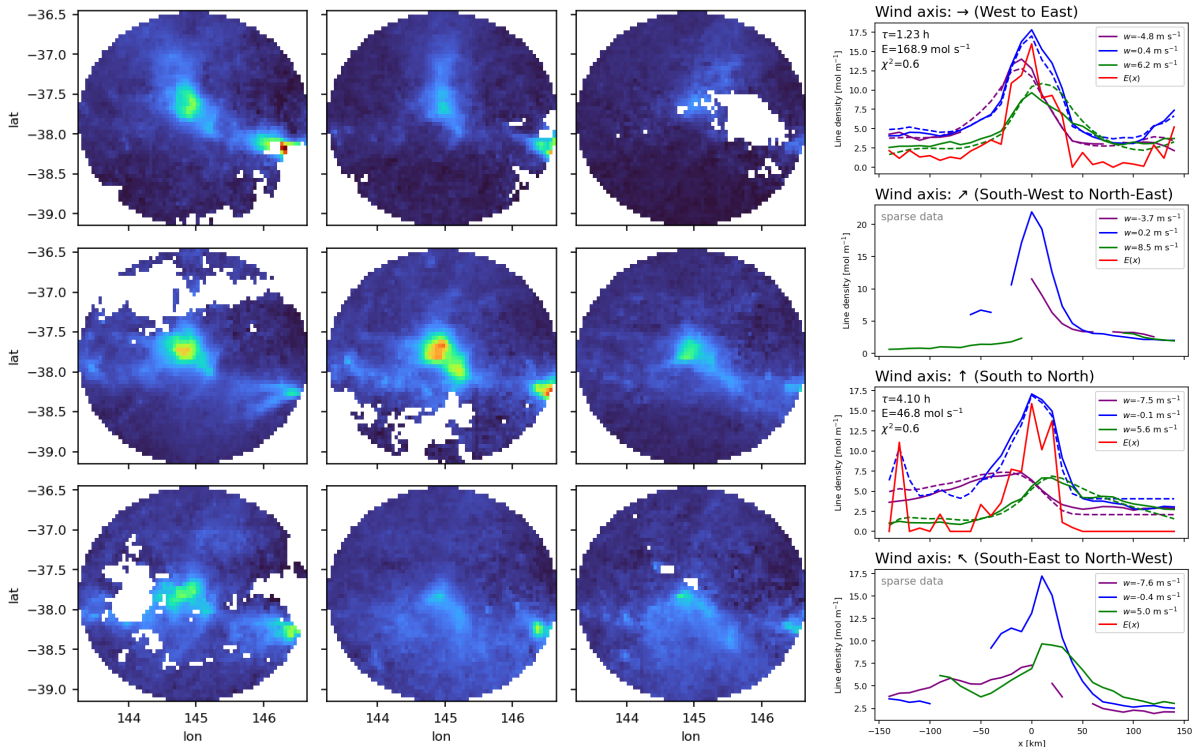


31 Melbourne

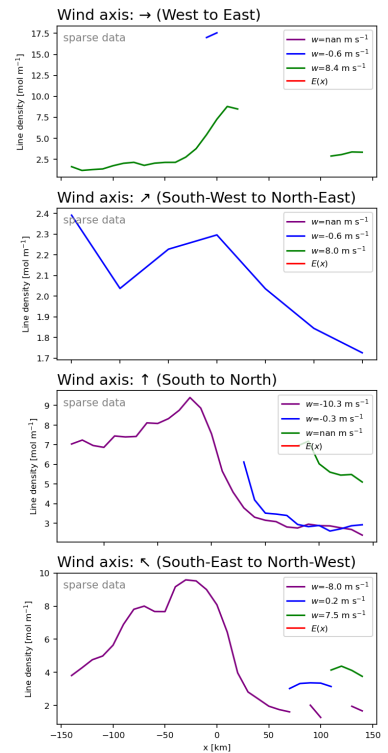
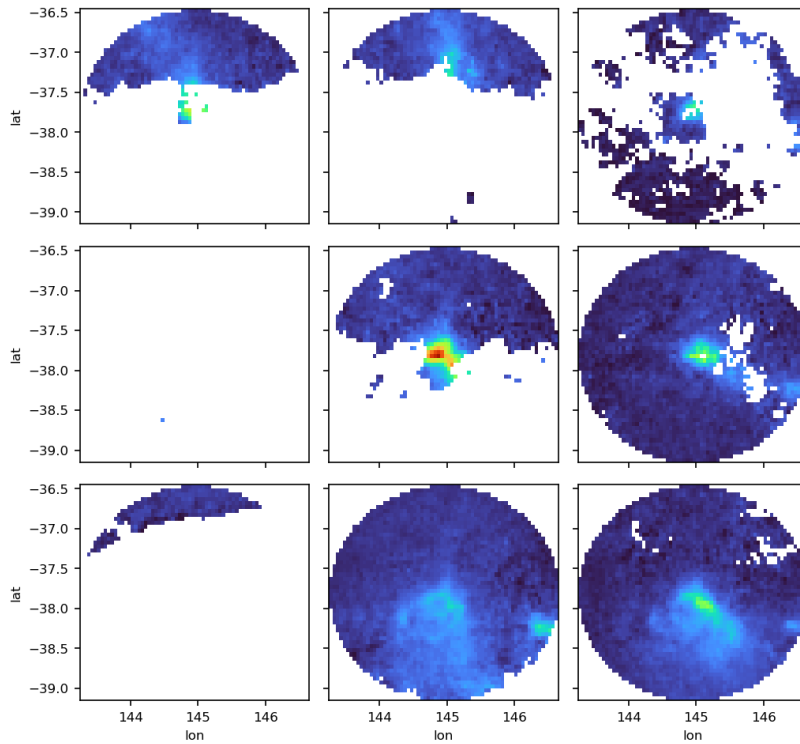
31.1 Winter



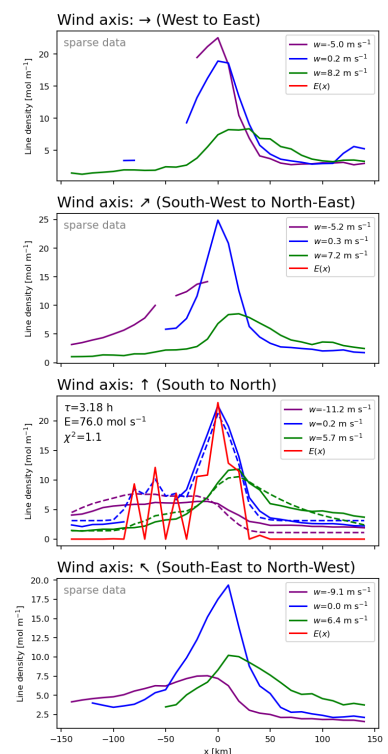
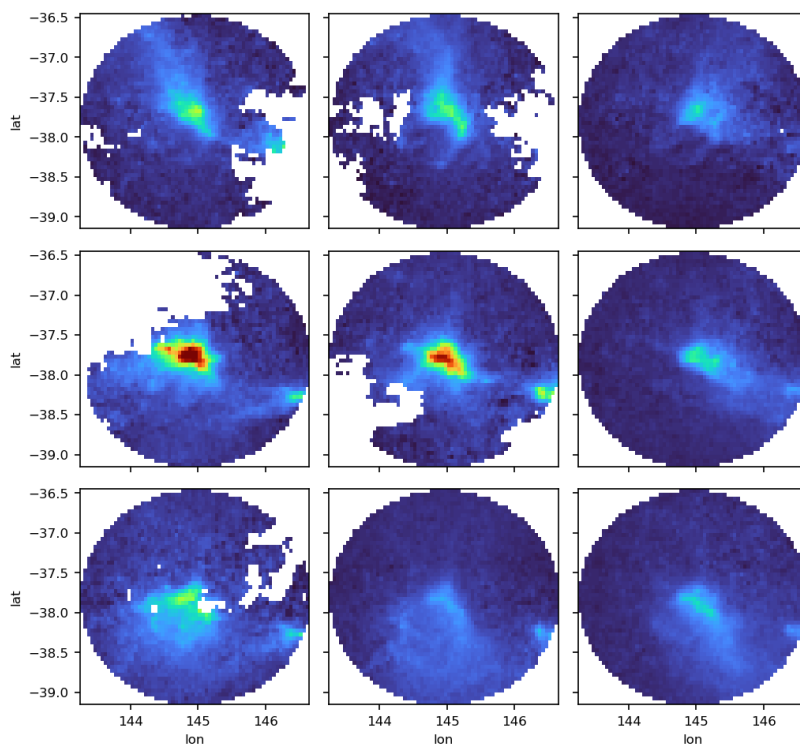
31.2 Spring



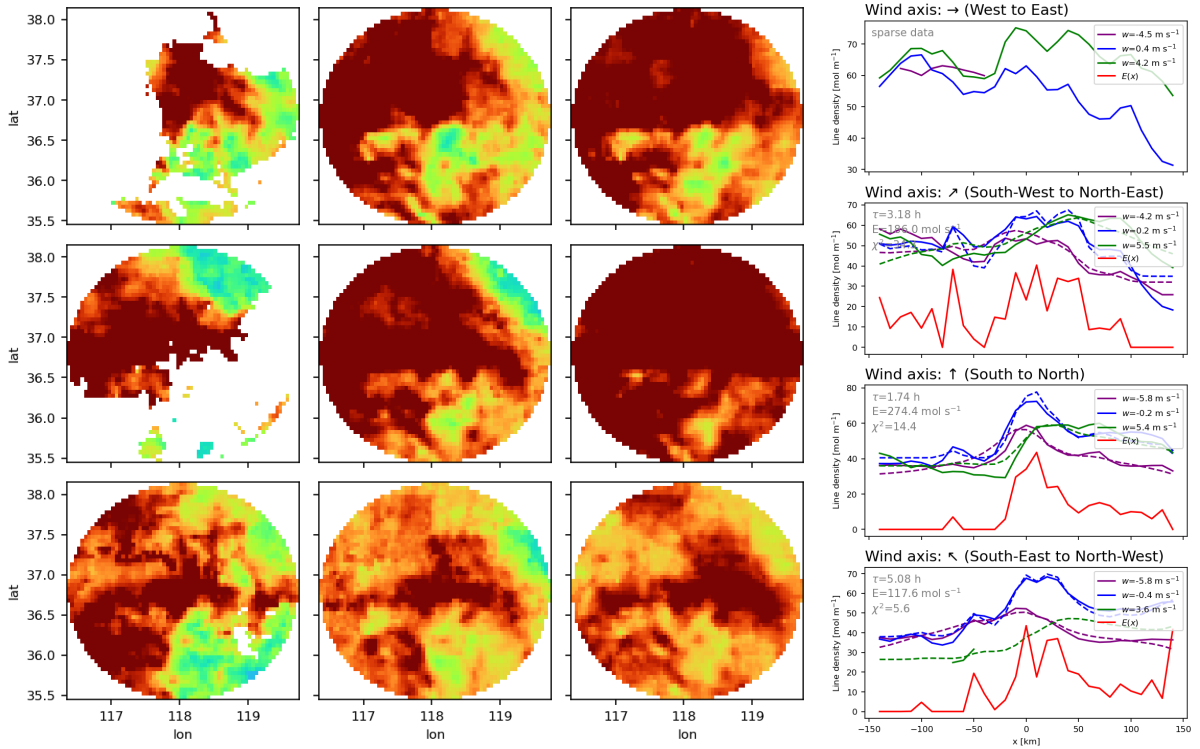
31.3 Summer



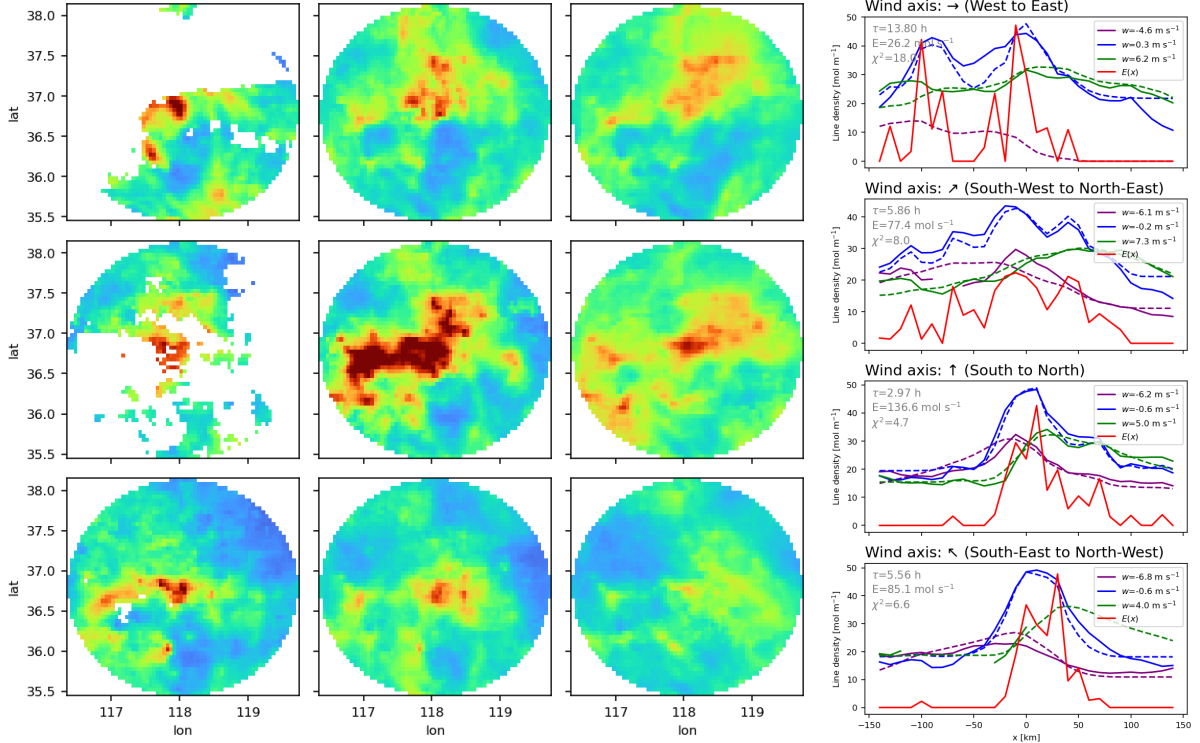
31.4 Autumn



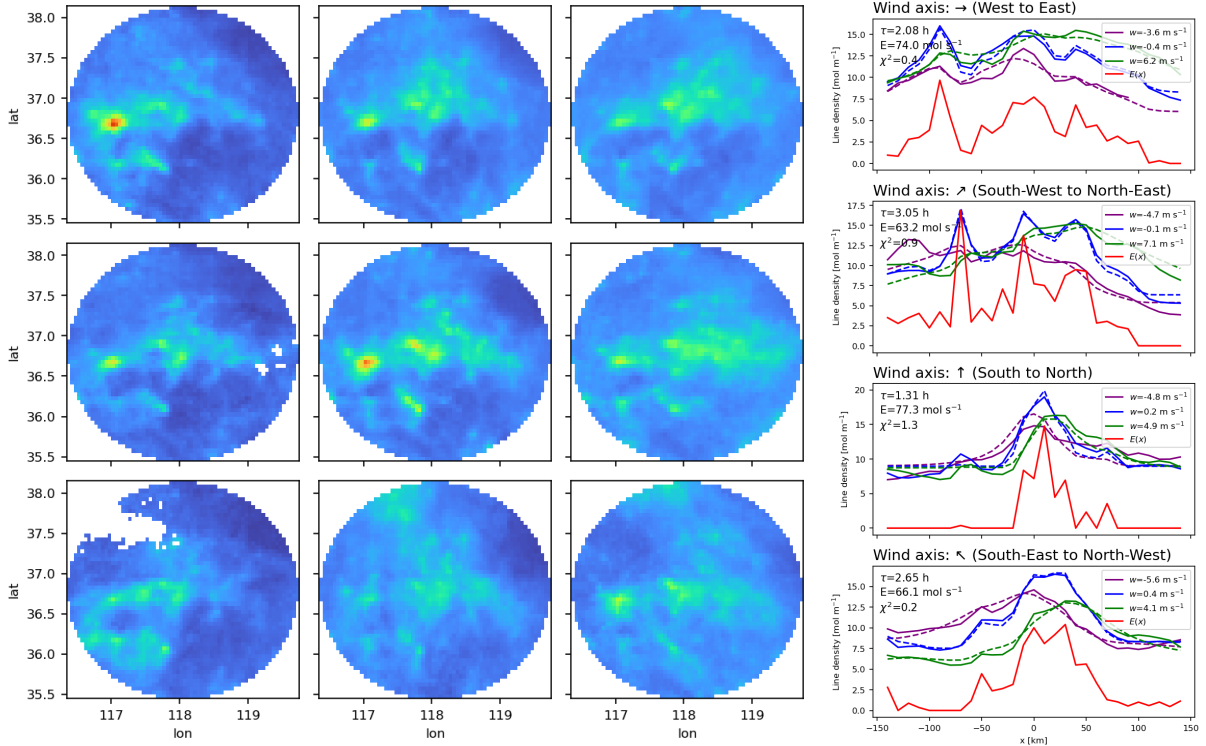
32.1 Winter



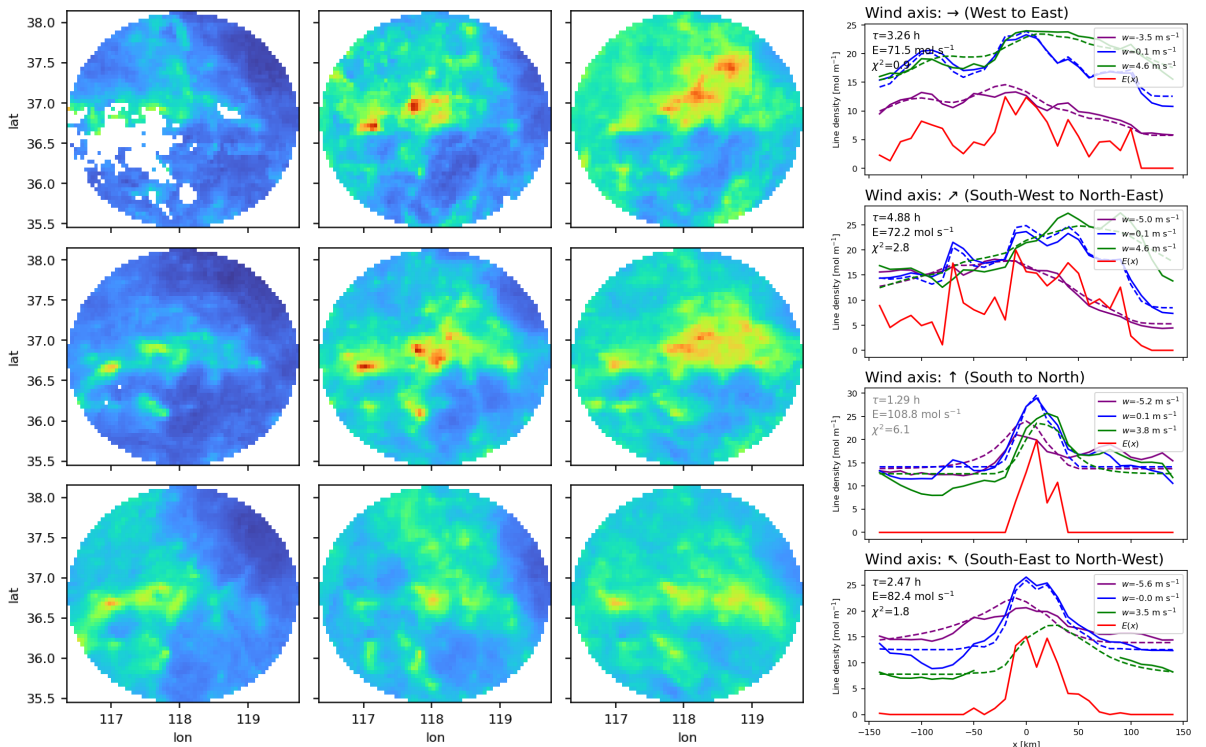
32.2 Spring



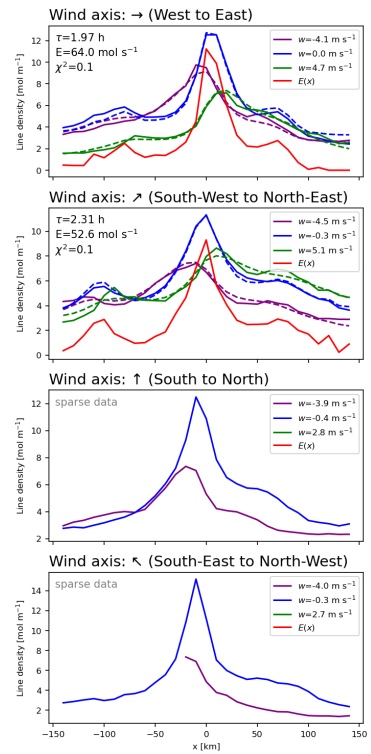
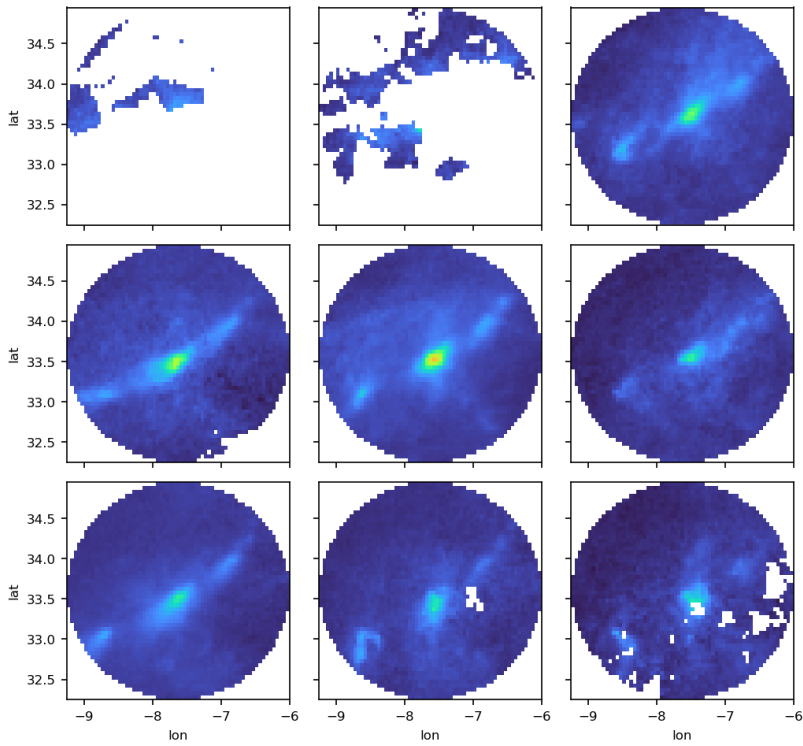
32.3 Summer



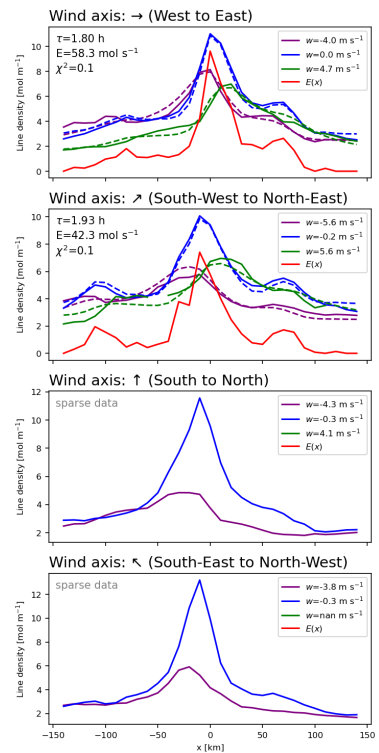
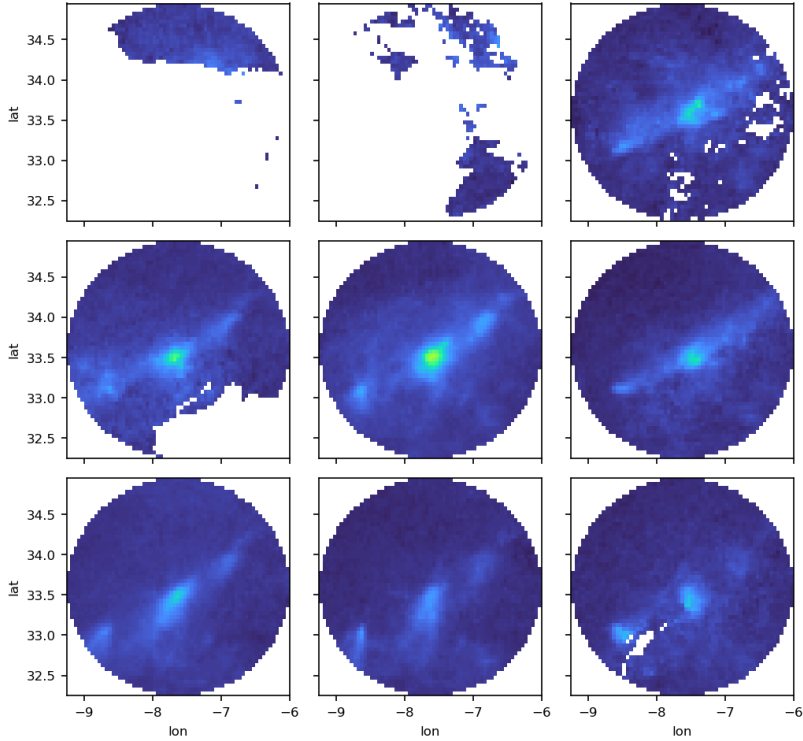
32.4 Autumn



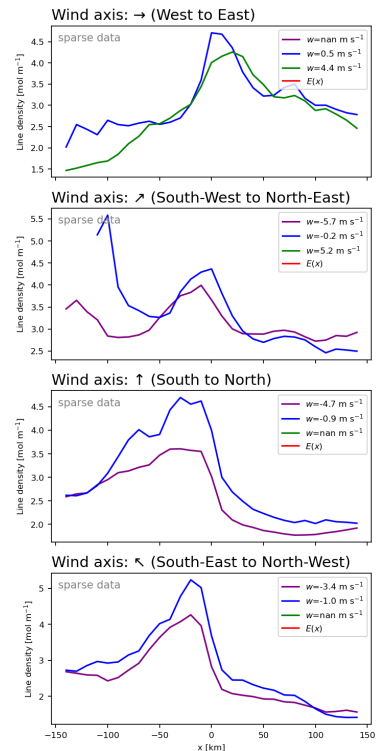
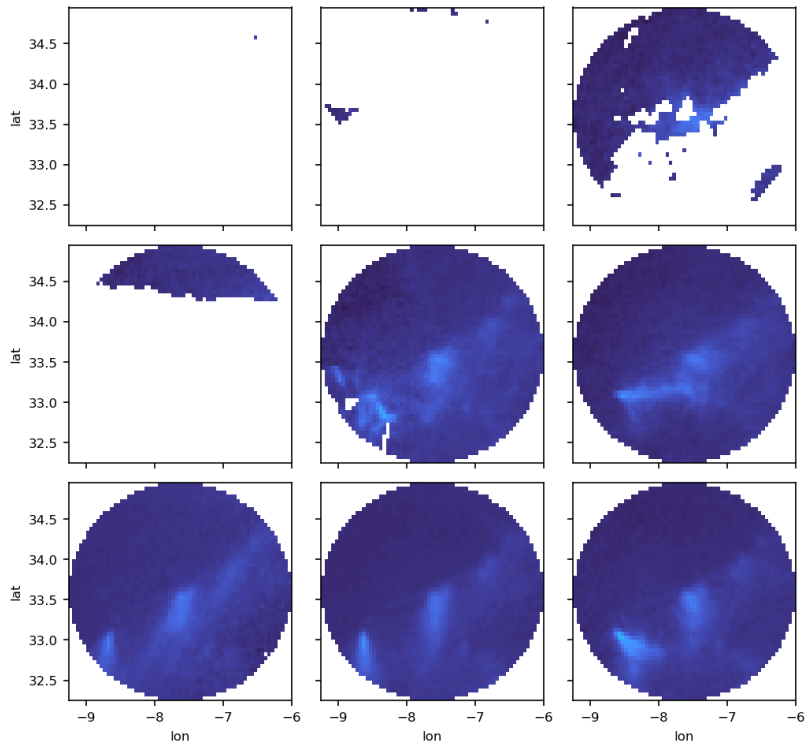
33.1 Winter



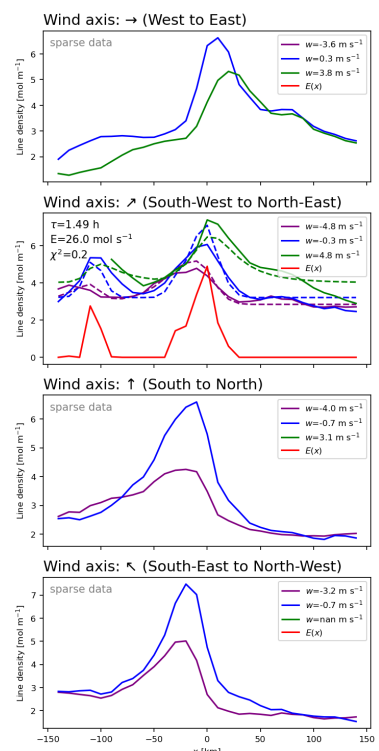
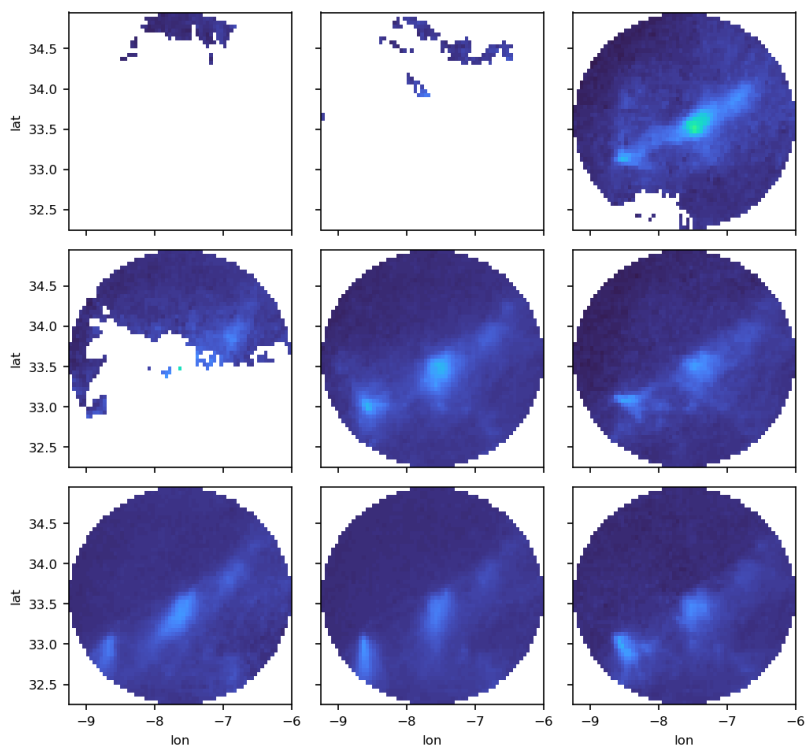
33.2 Spring



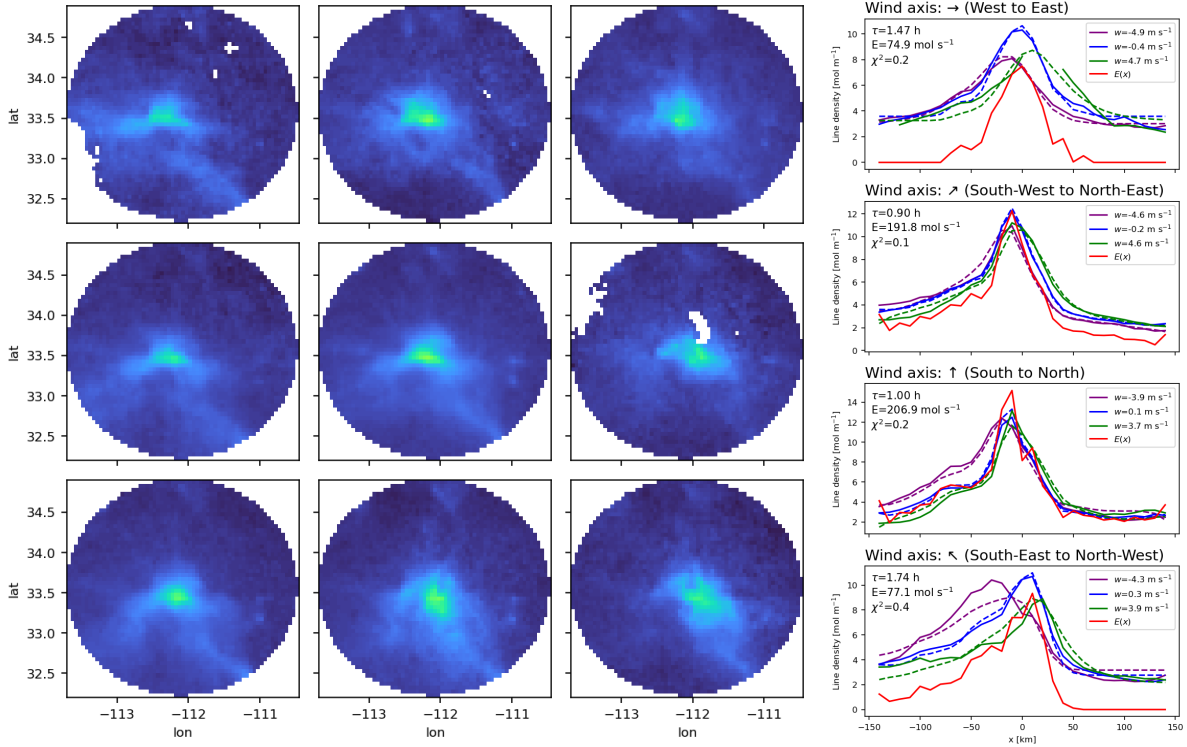
33.3 Summer



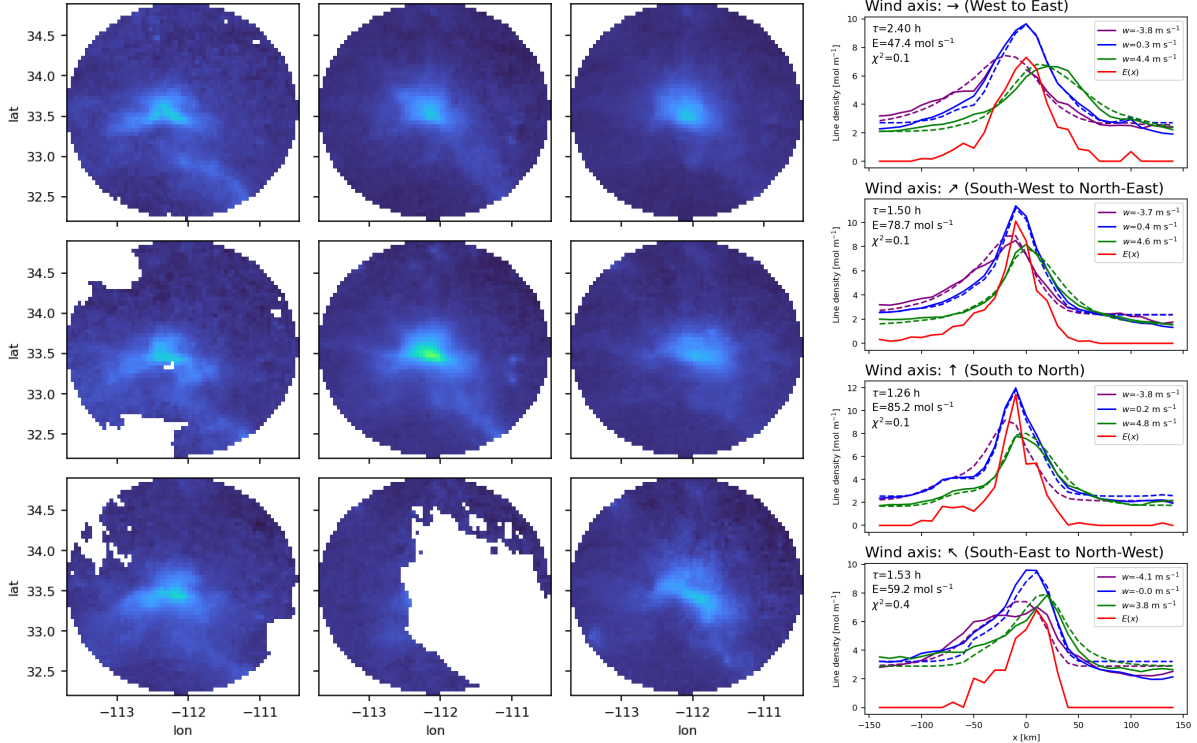
33.4 Autumn



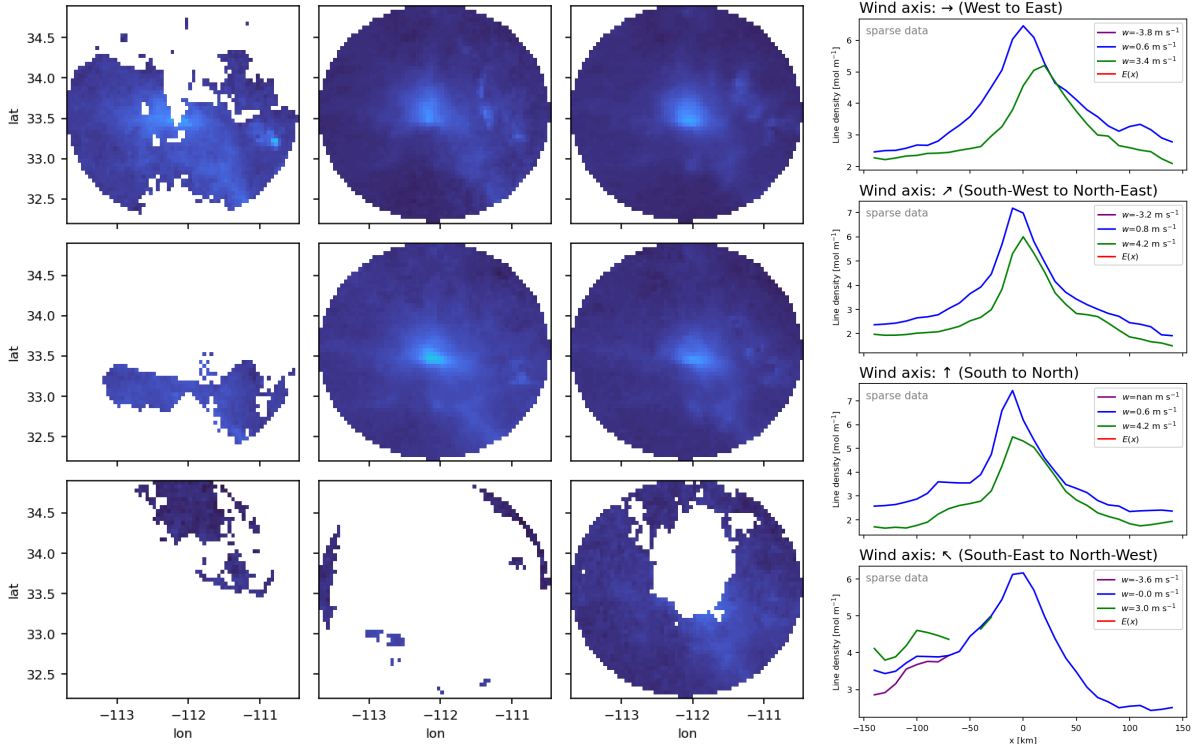
34.1 Winter



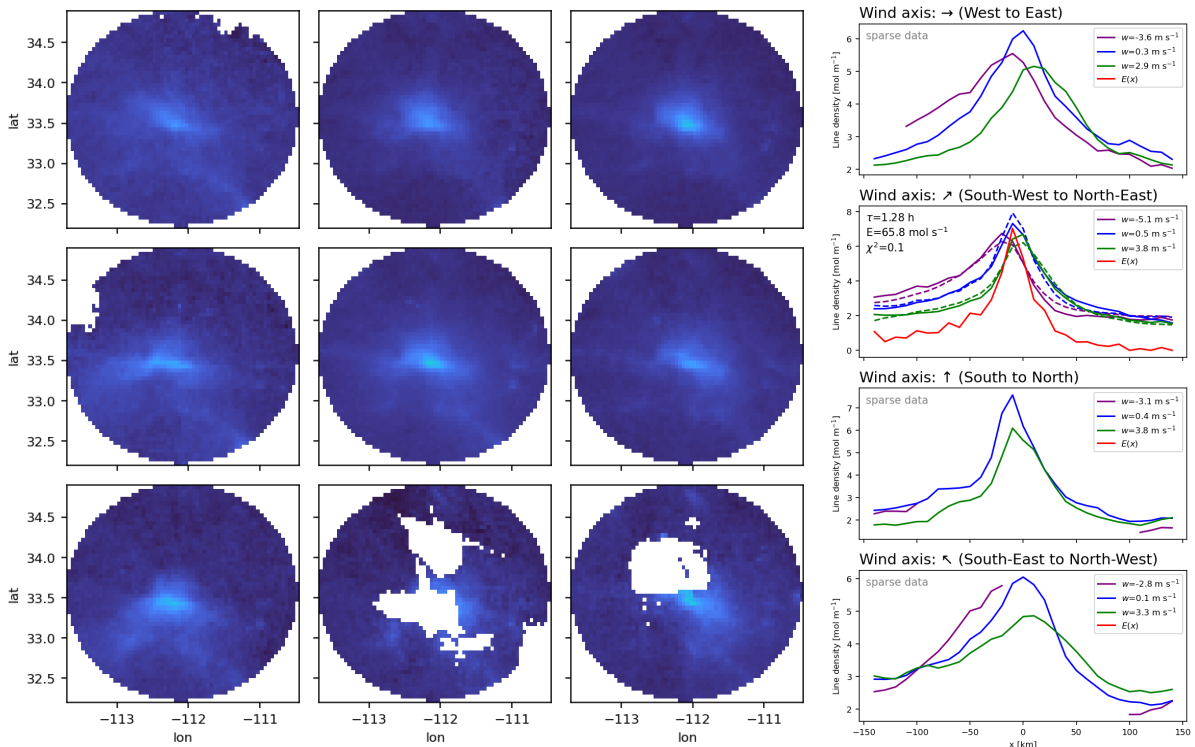
34.2 Spring



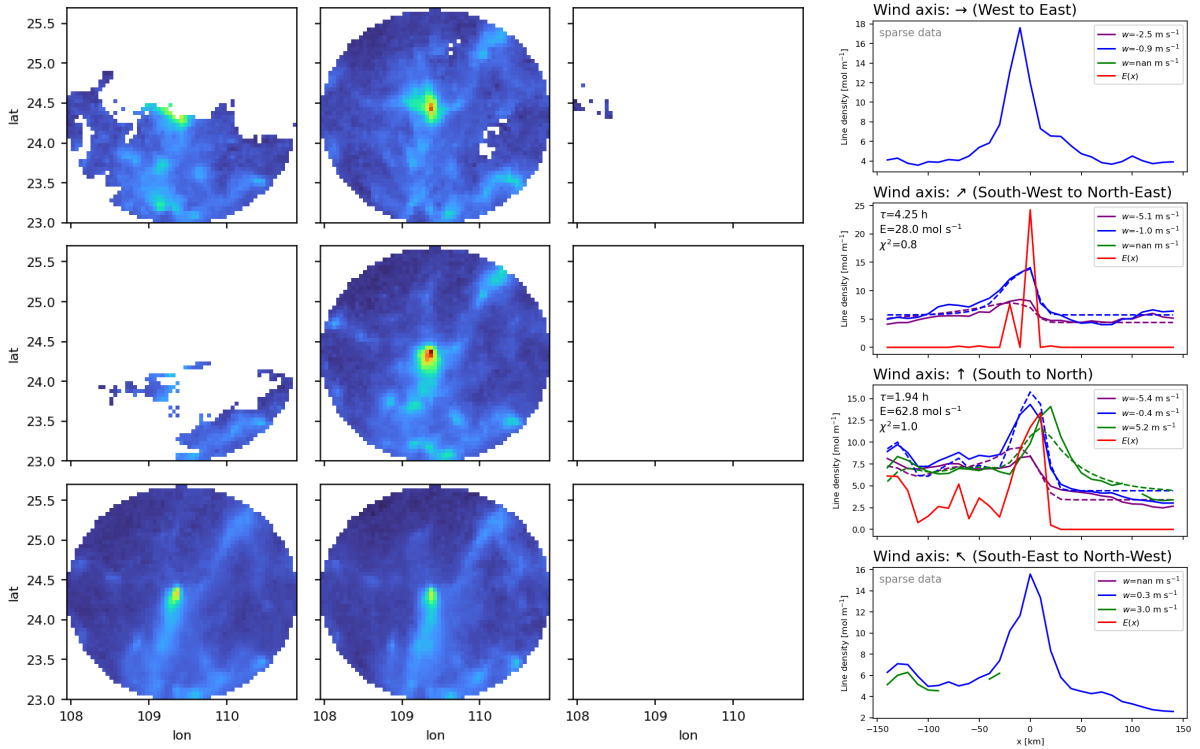
34.3 Summer



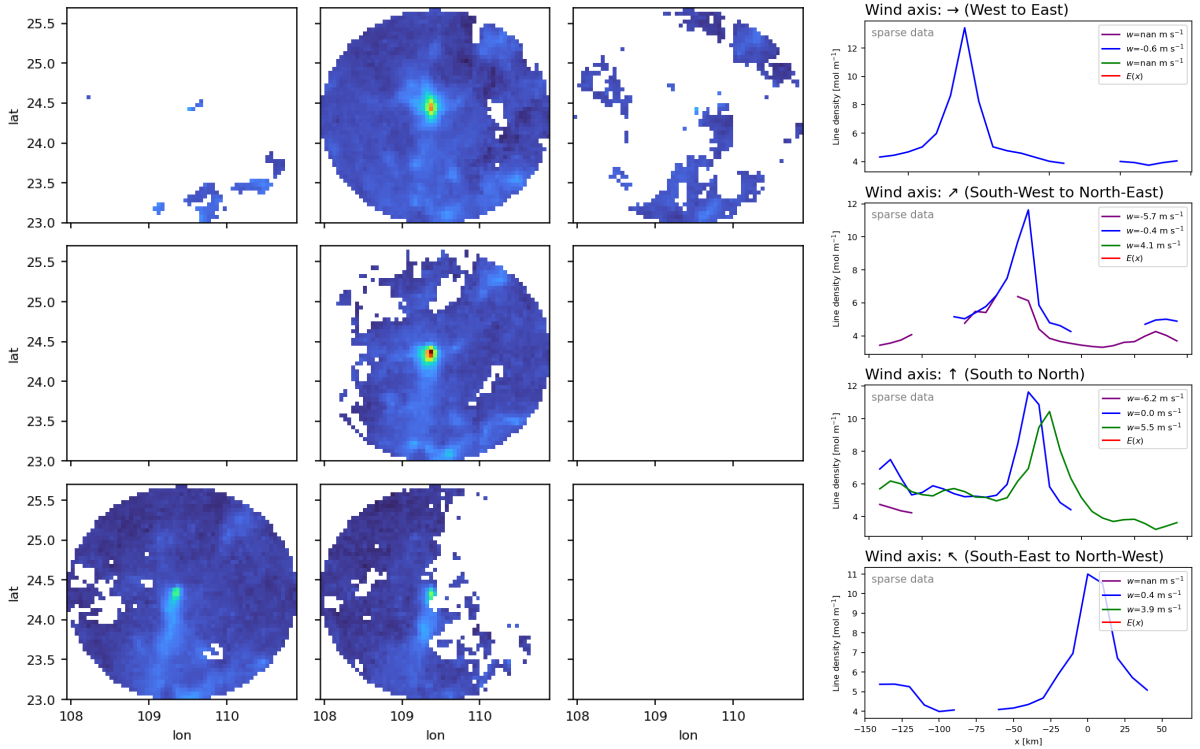
34.4 Autumn



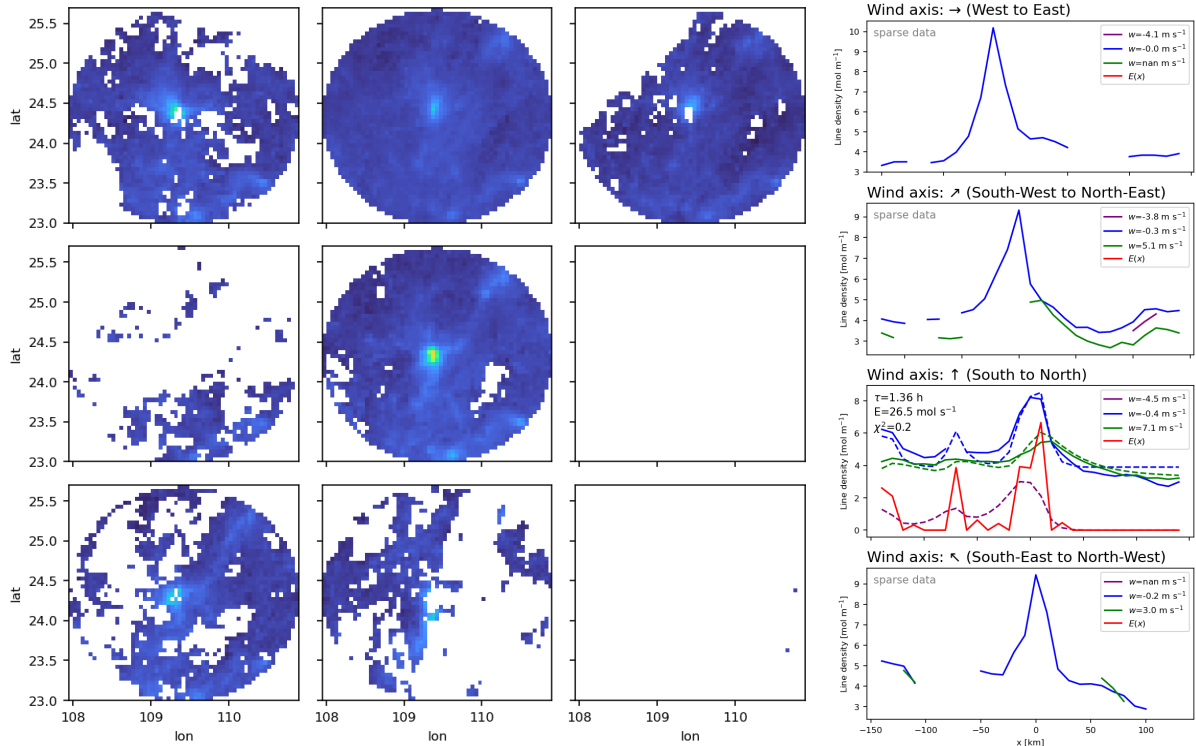
35.1 Winter



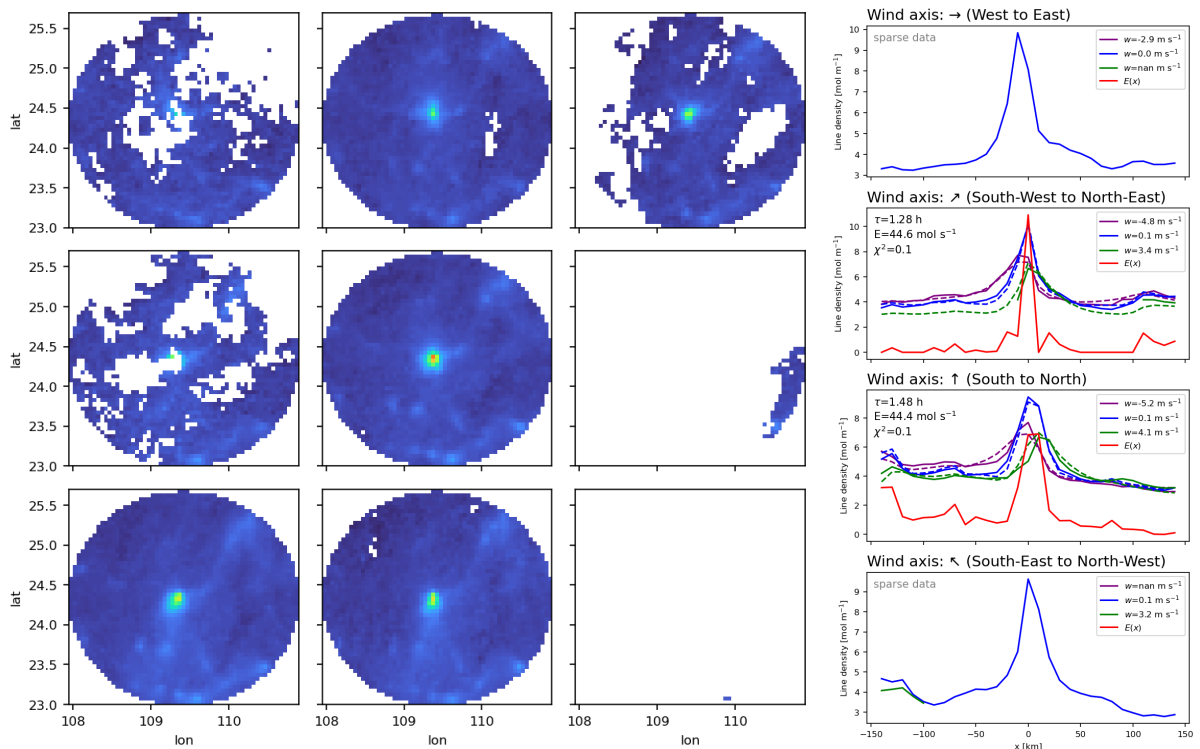
35.2 Spring



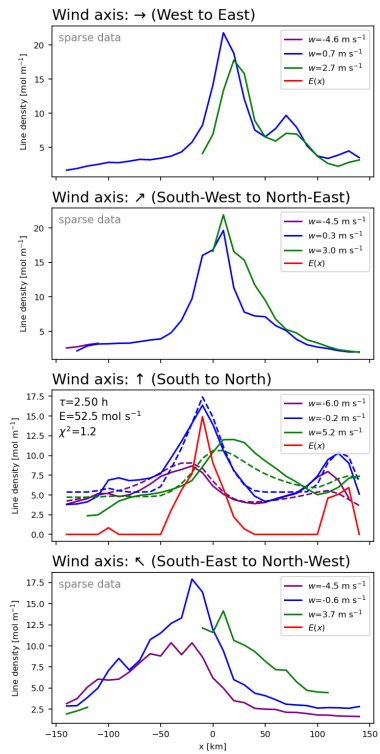
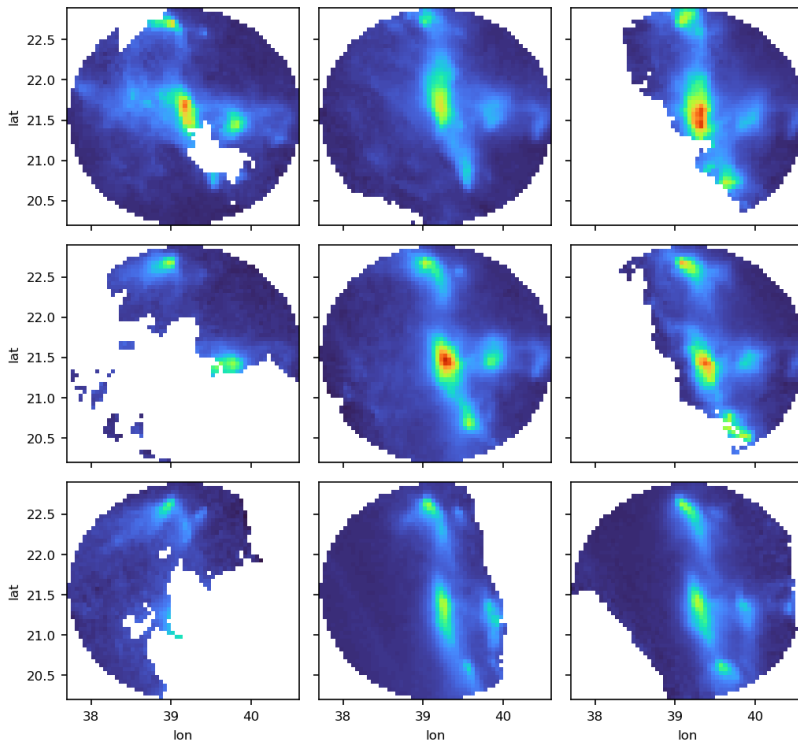
35.3 Summer



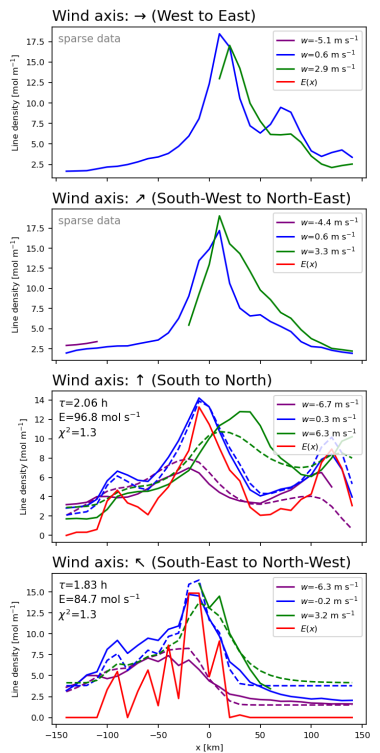
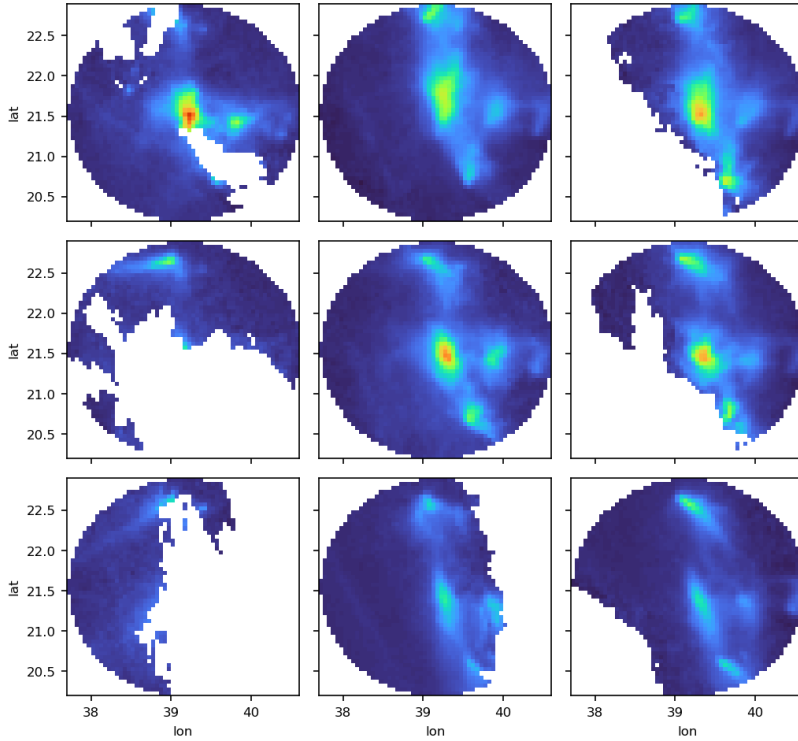
35.4 Autumn



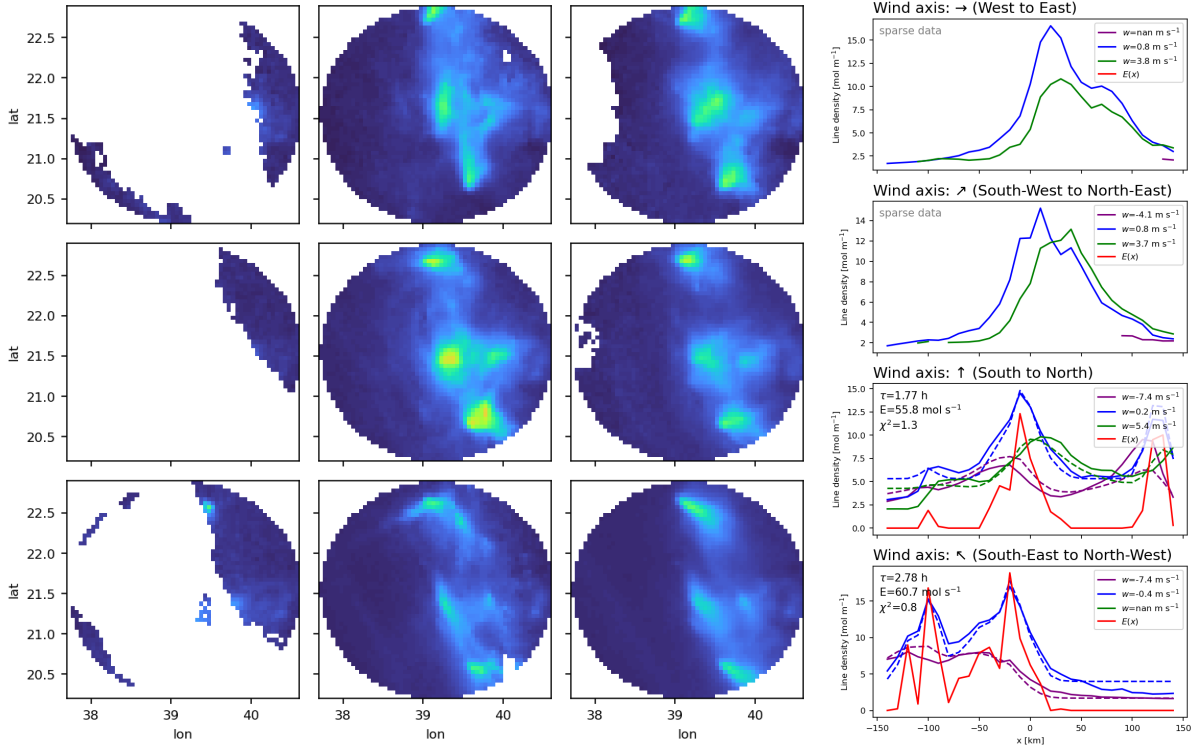
36.1 Winter



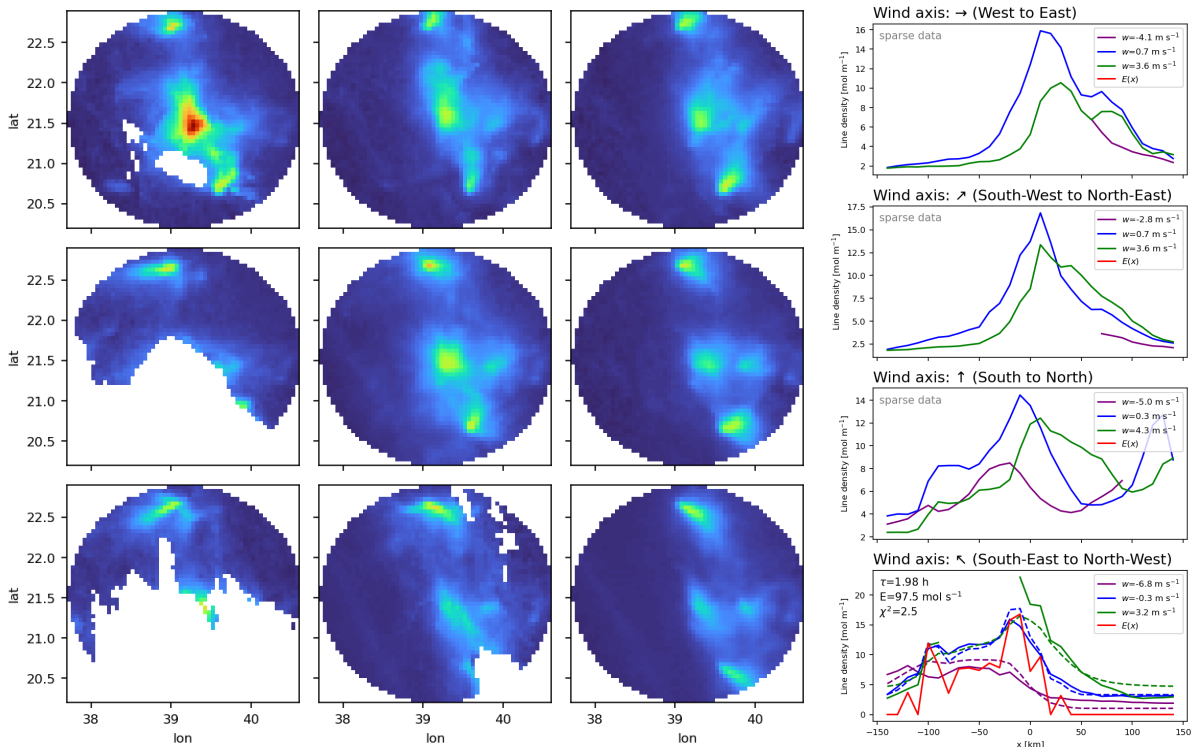
36.2 Spring



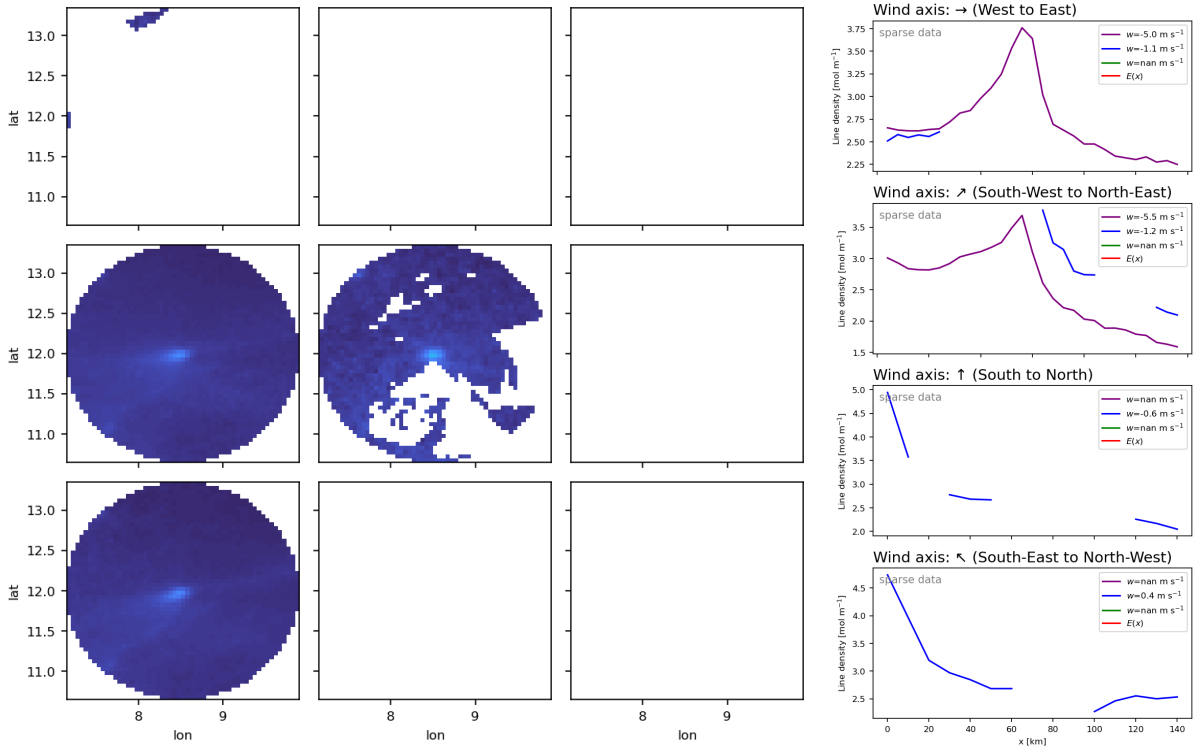
36.3 Summer



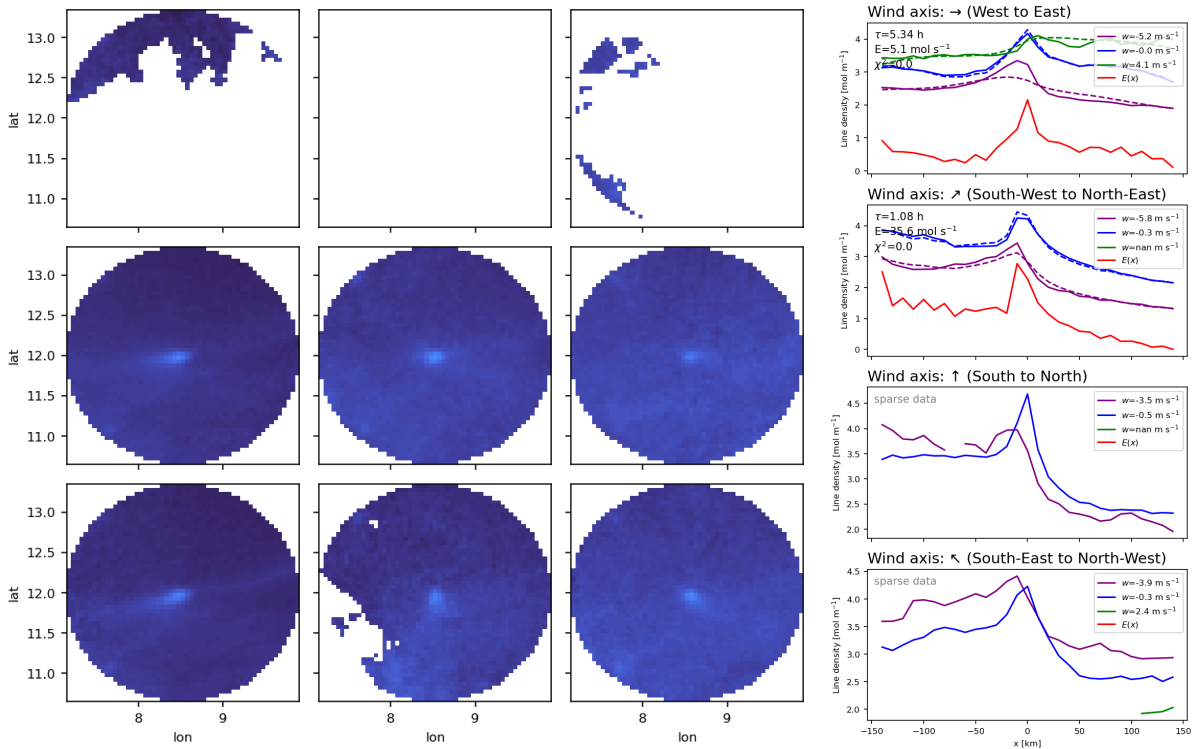
36.4 Autumn



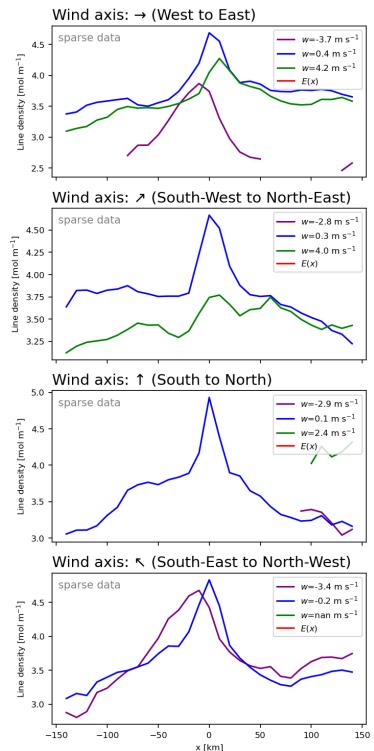
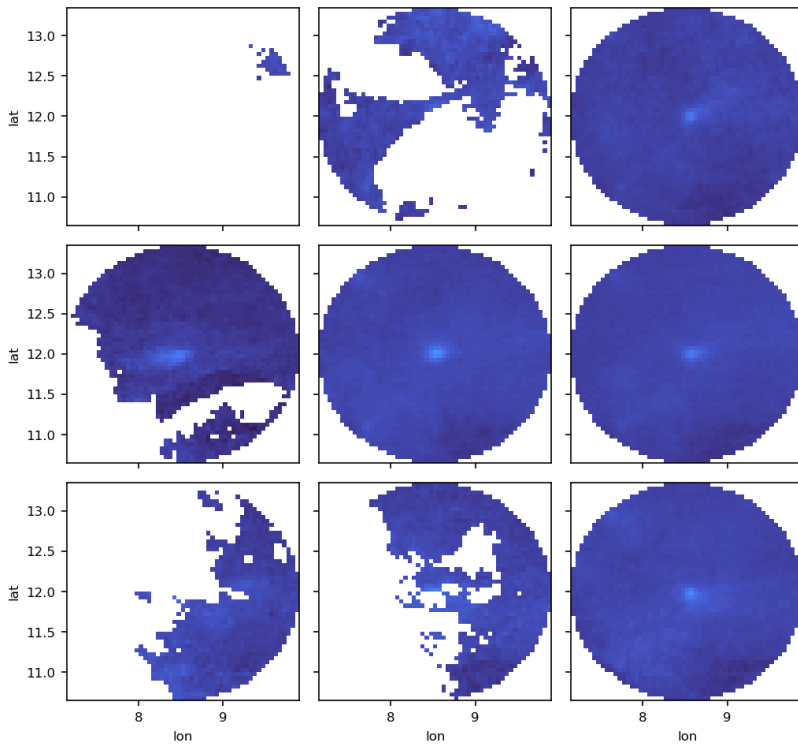
37.1 Winter



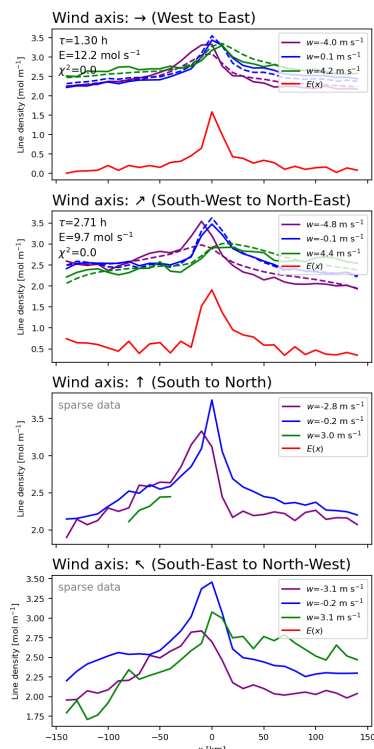
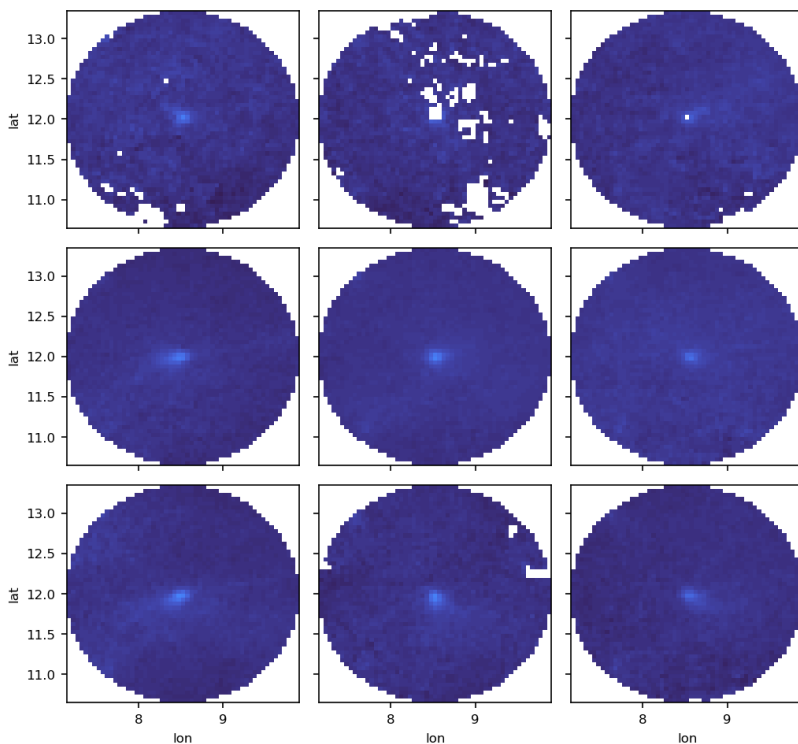
37.2 Spring



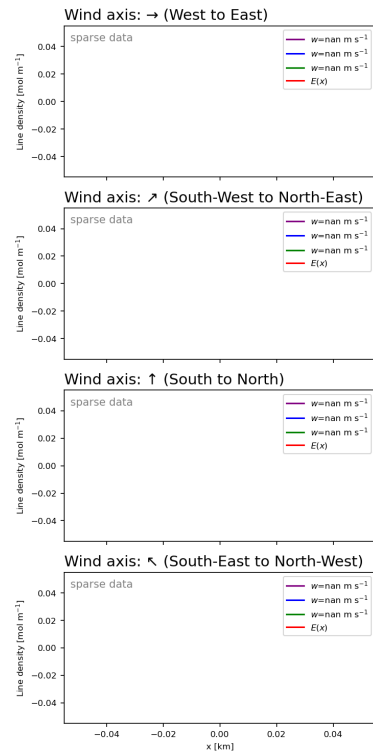
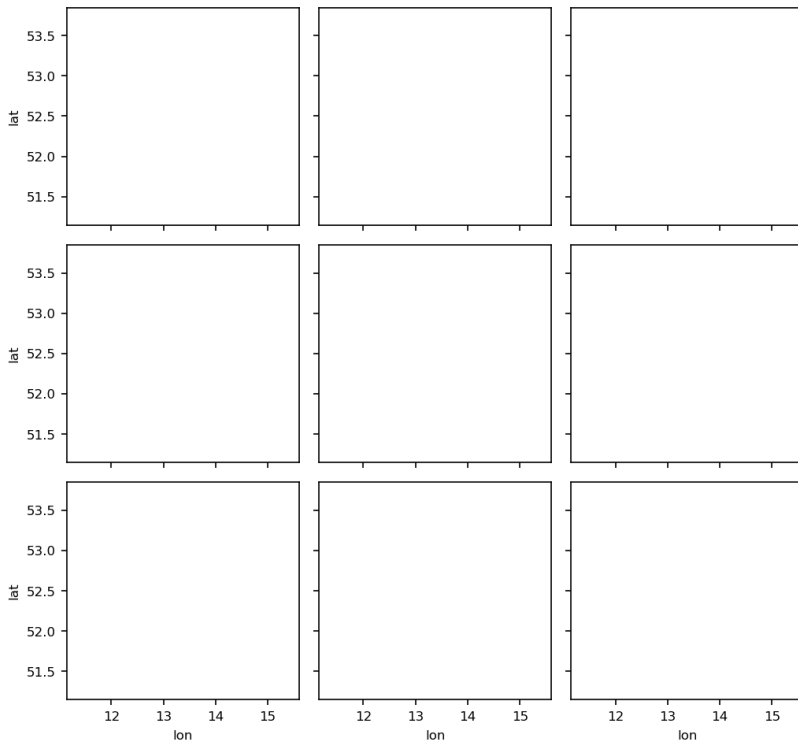
37.3 Summer



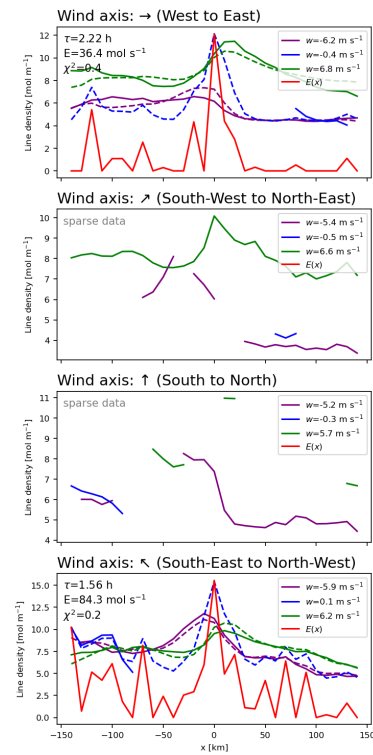
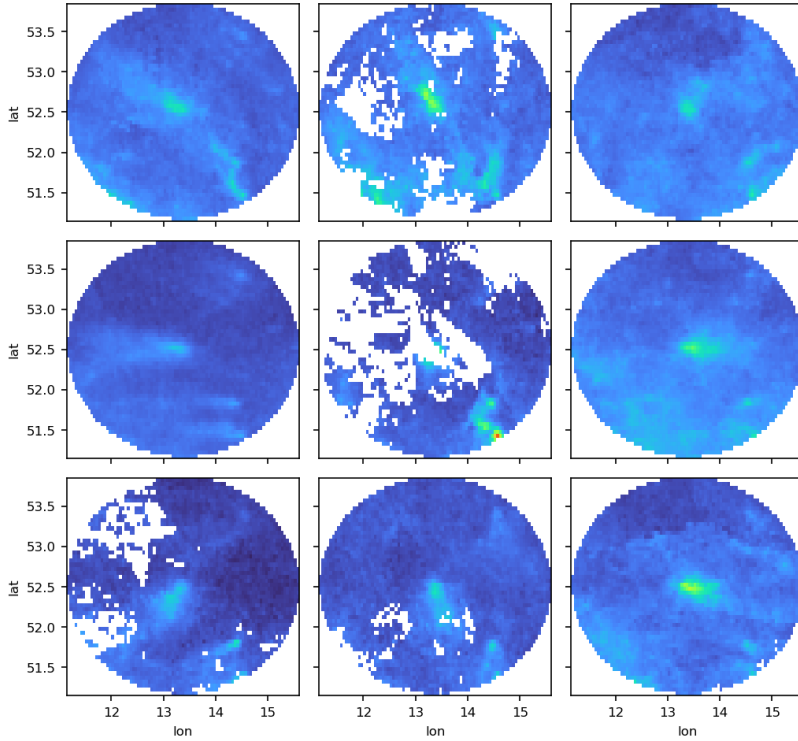
37.4 Autumn



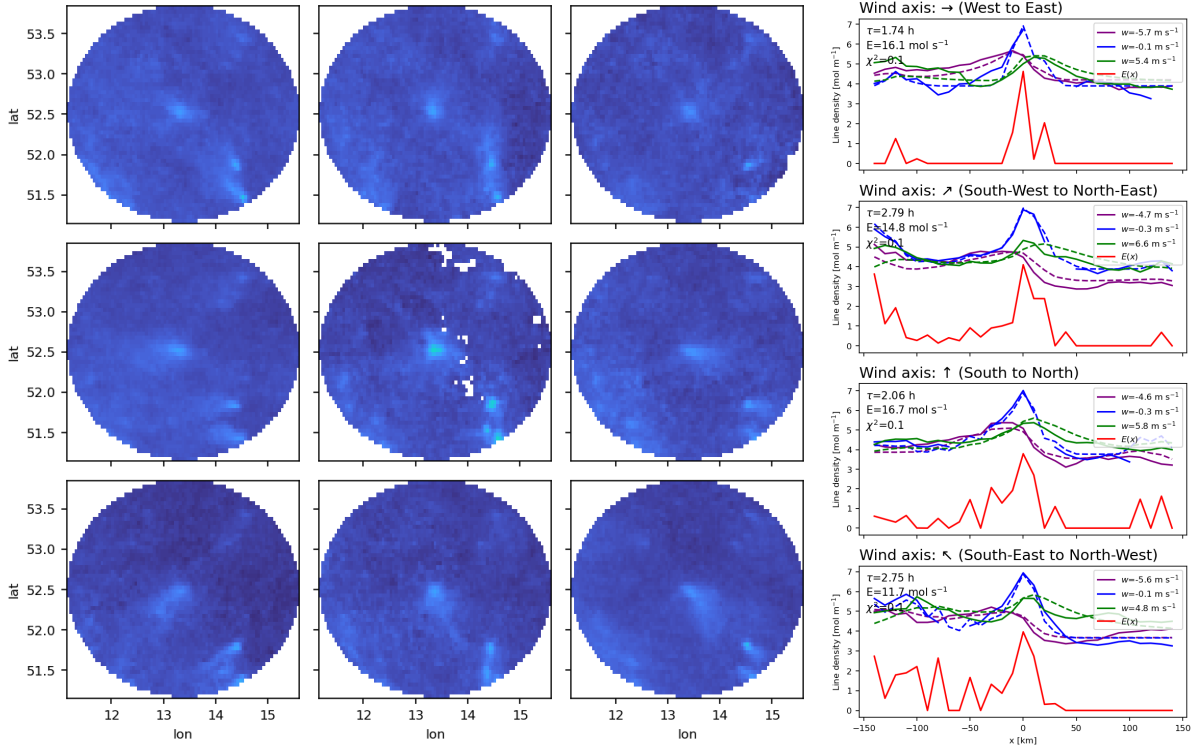
38.1 Winter



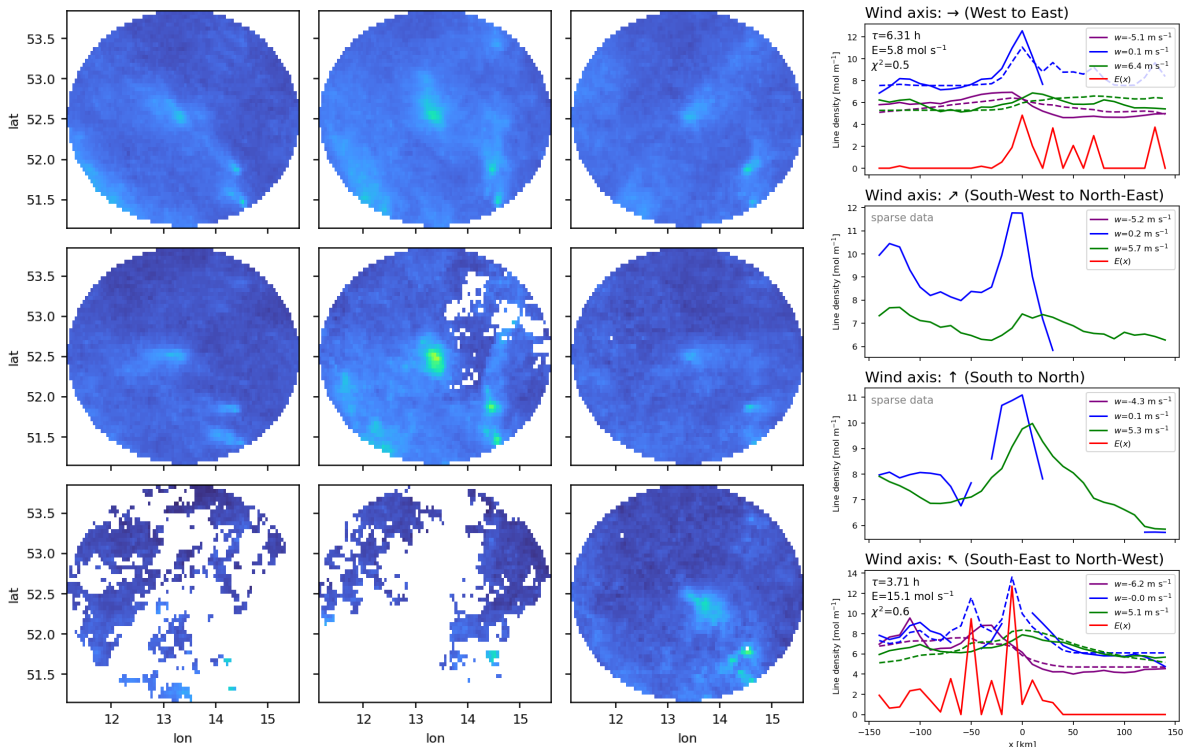
38.2 Spring



38.3 Summer

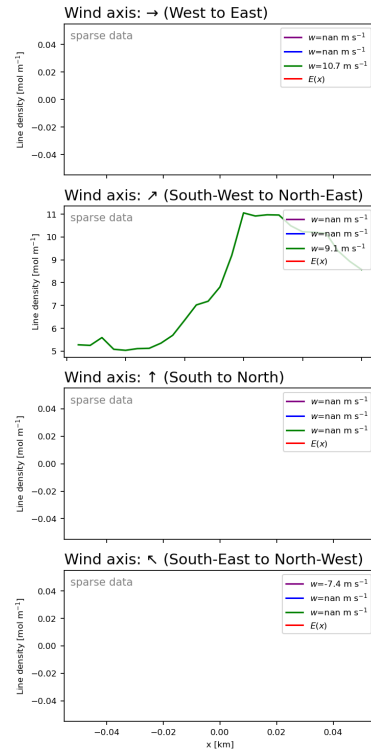
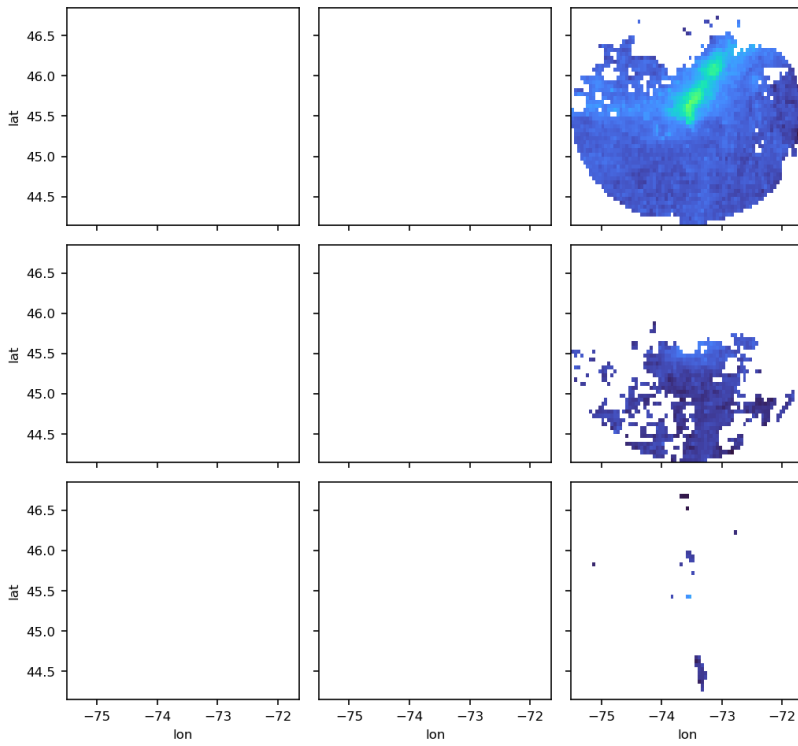


38.4 Autumn

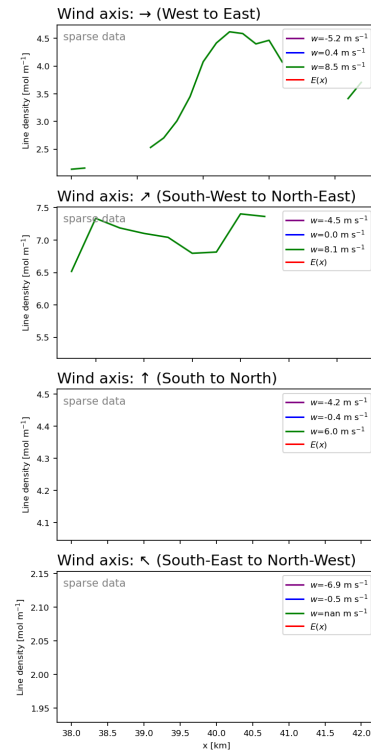
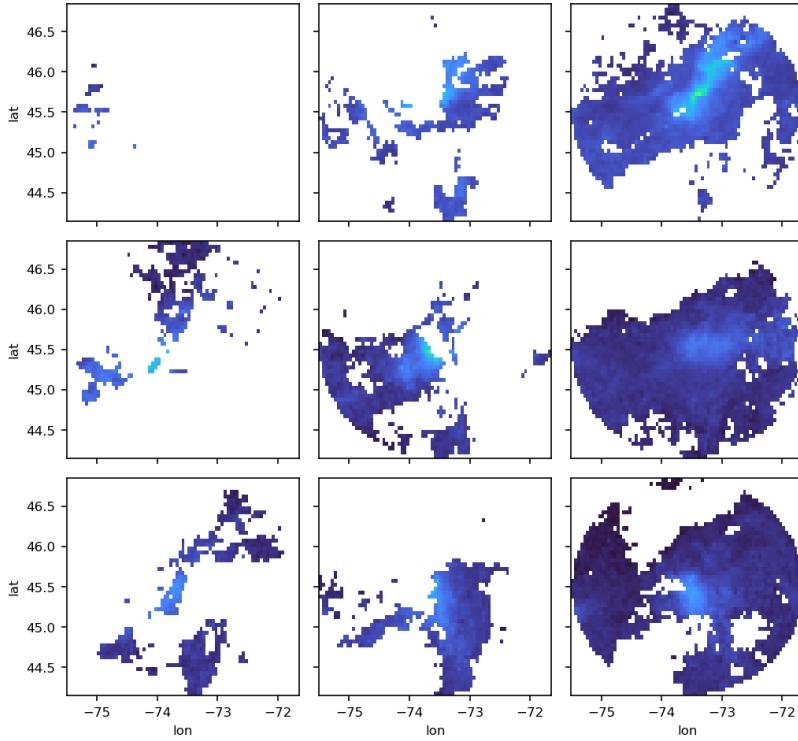


39 Montréal

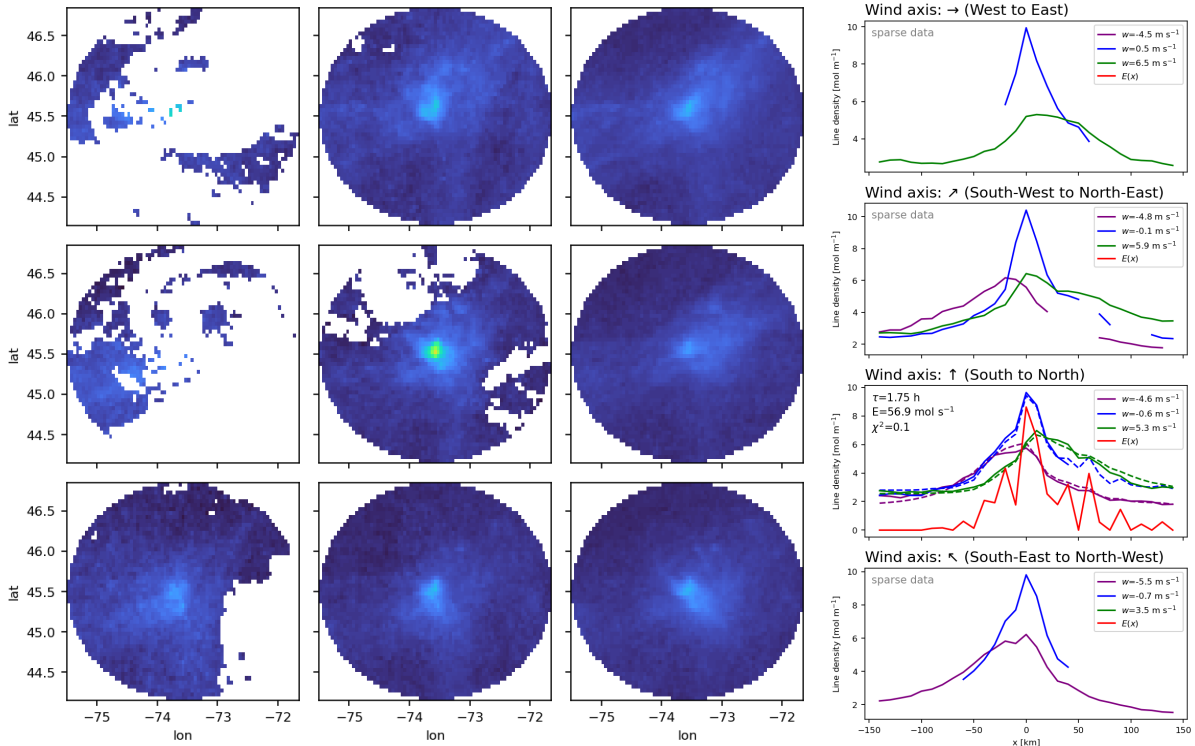
39.1 Winter



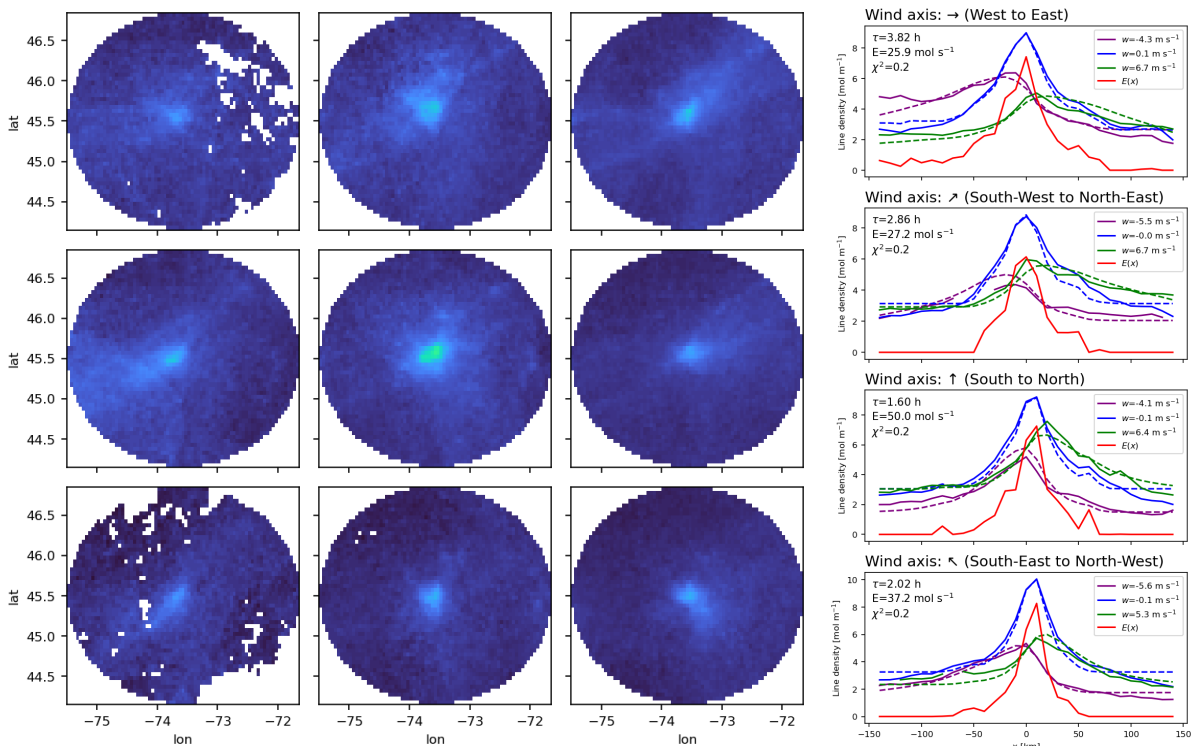
39.2 Spring



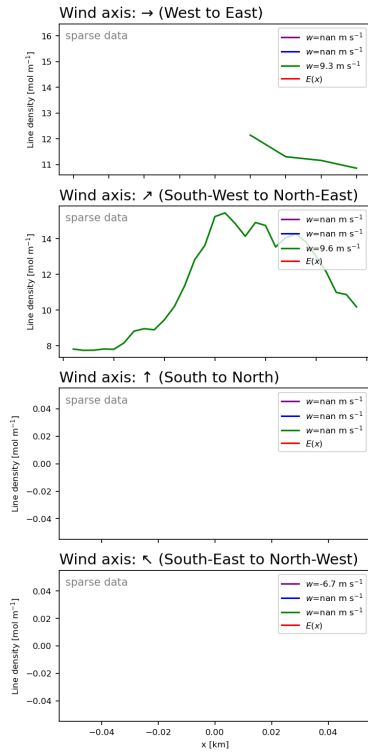
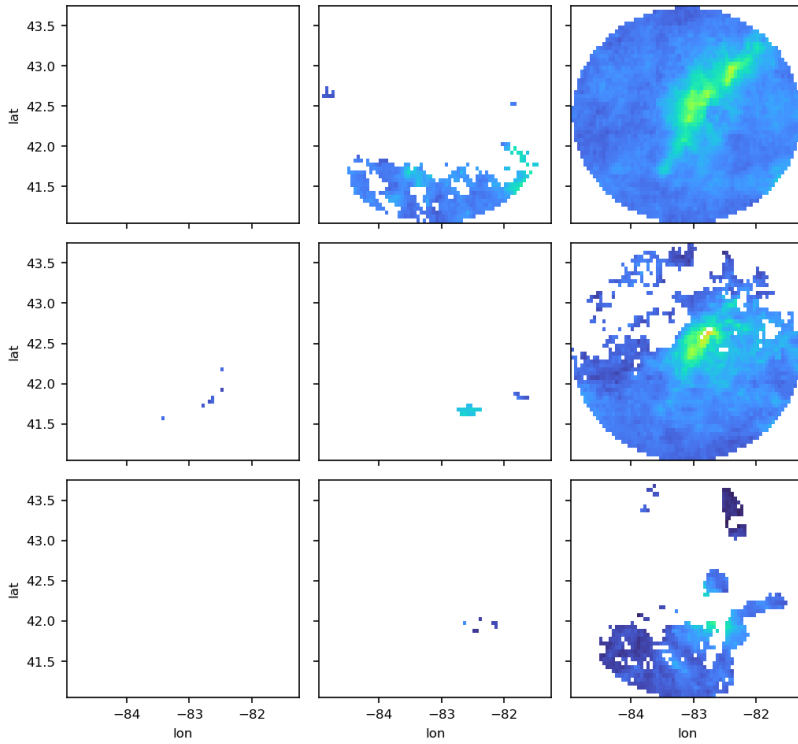
39.3 Summer



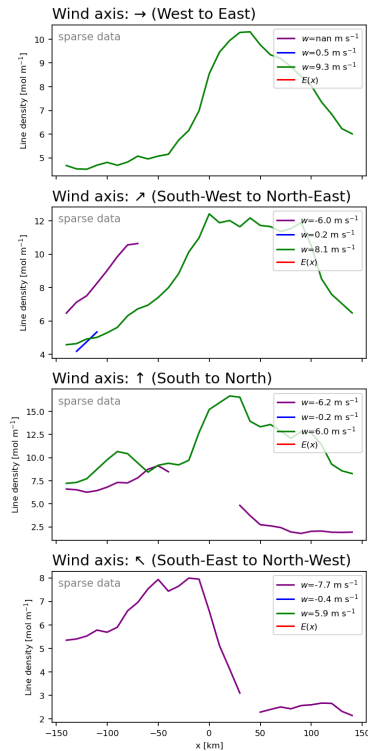
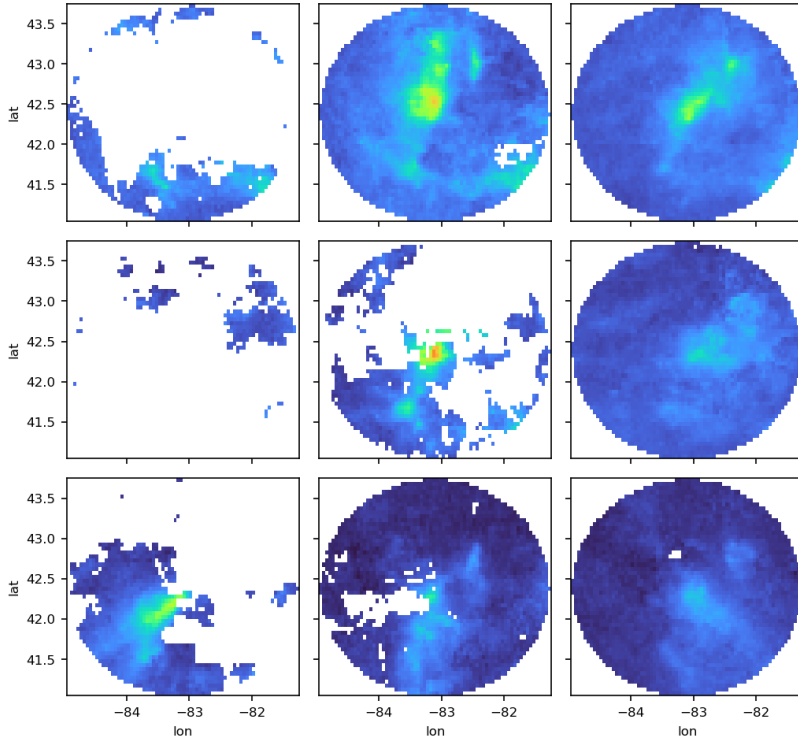
39.4 Autumn



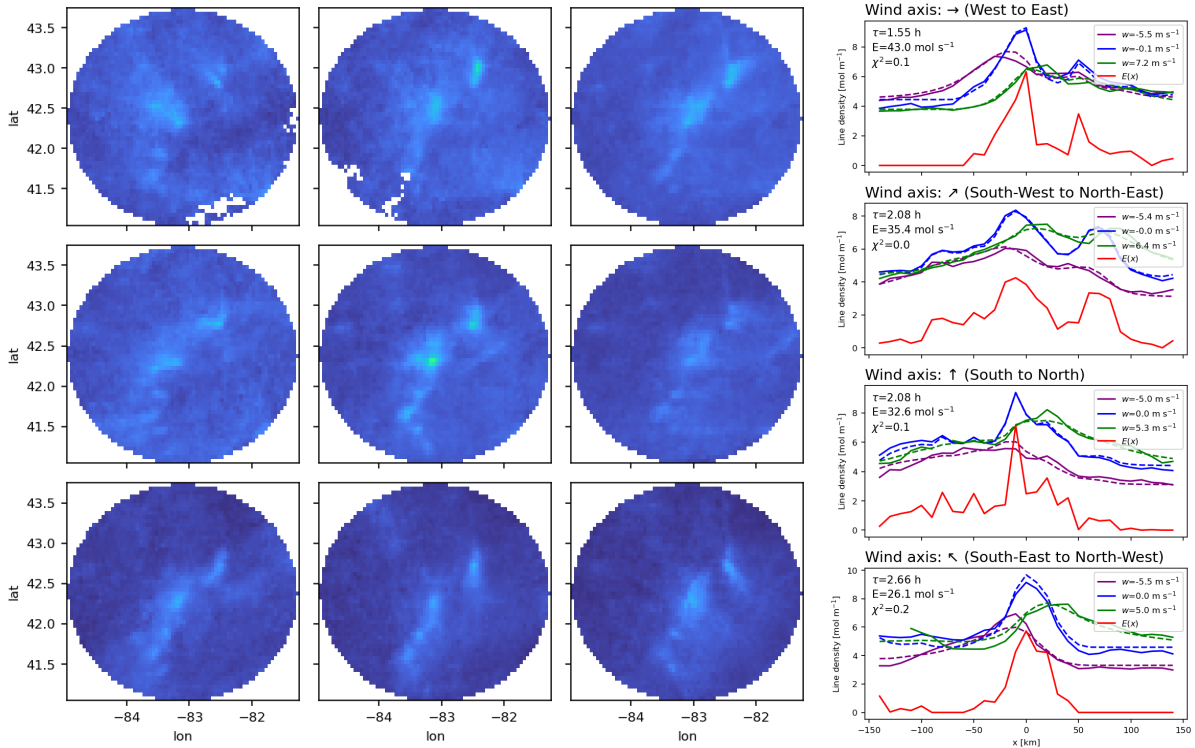
40.1 Winter



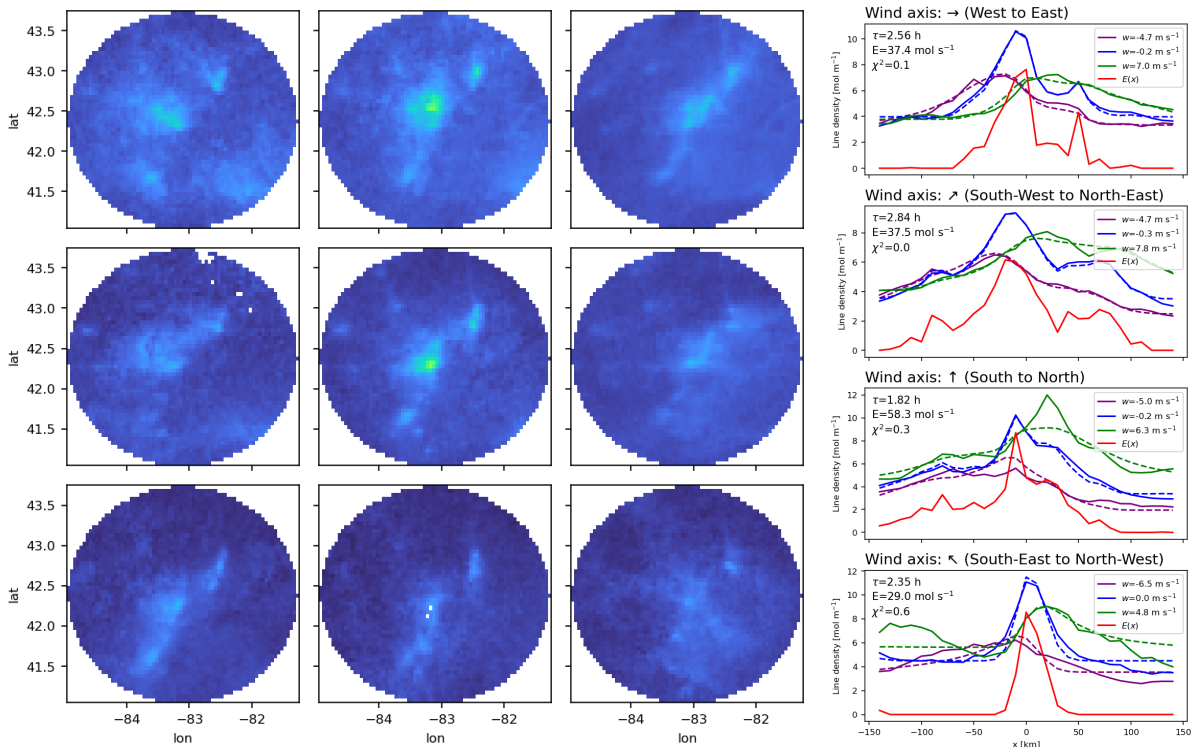
40.2 Spring



40.3 Summer

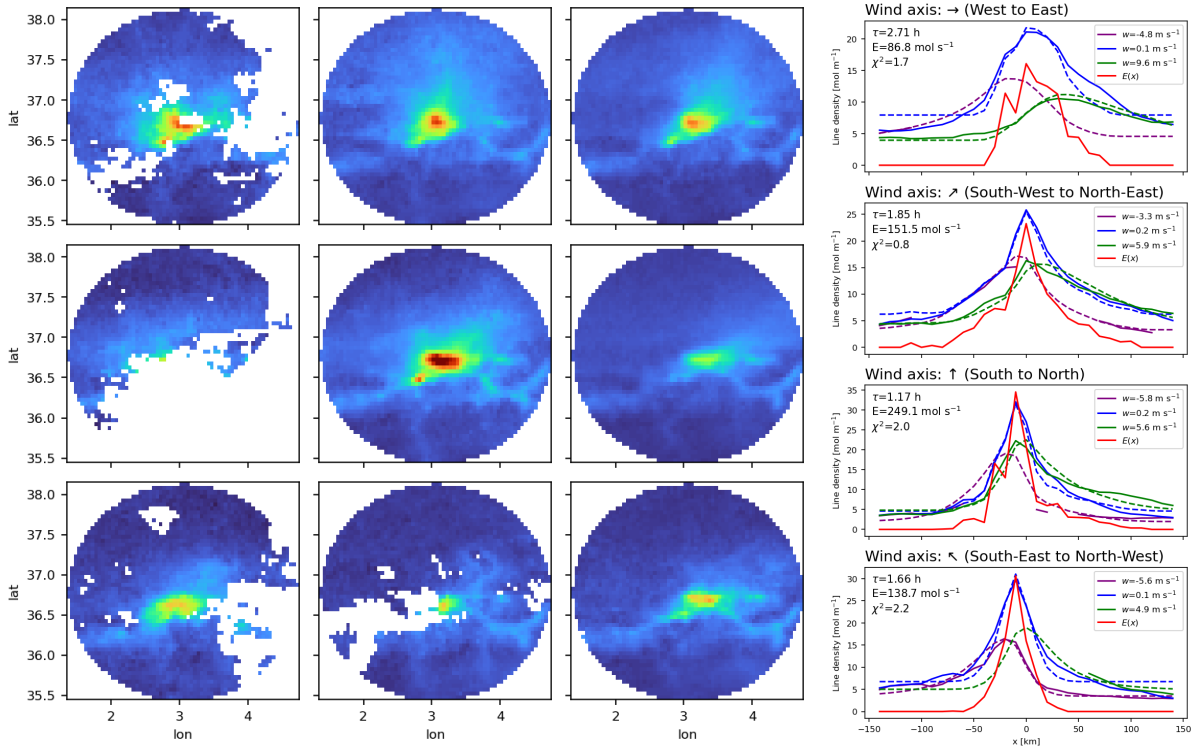


40.4 Autumn

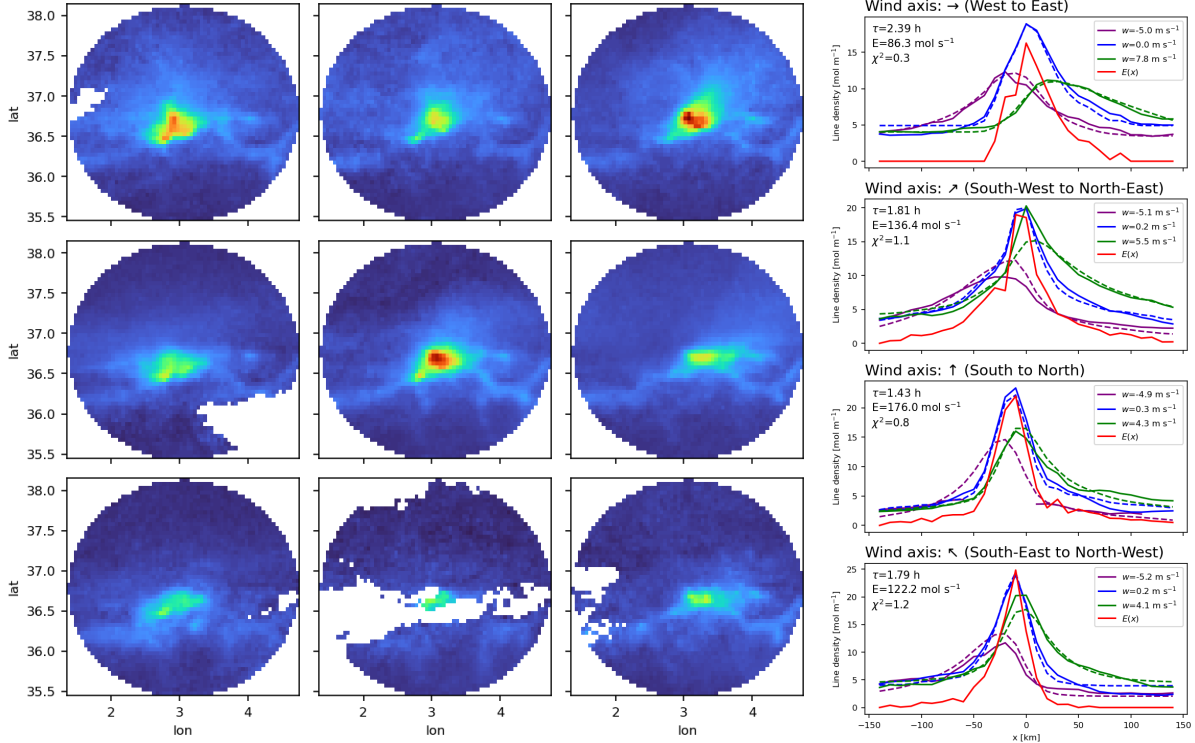


41 Algiers

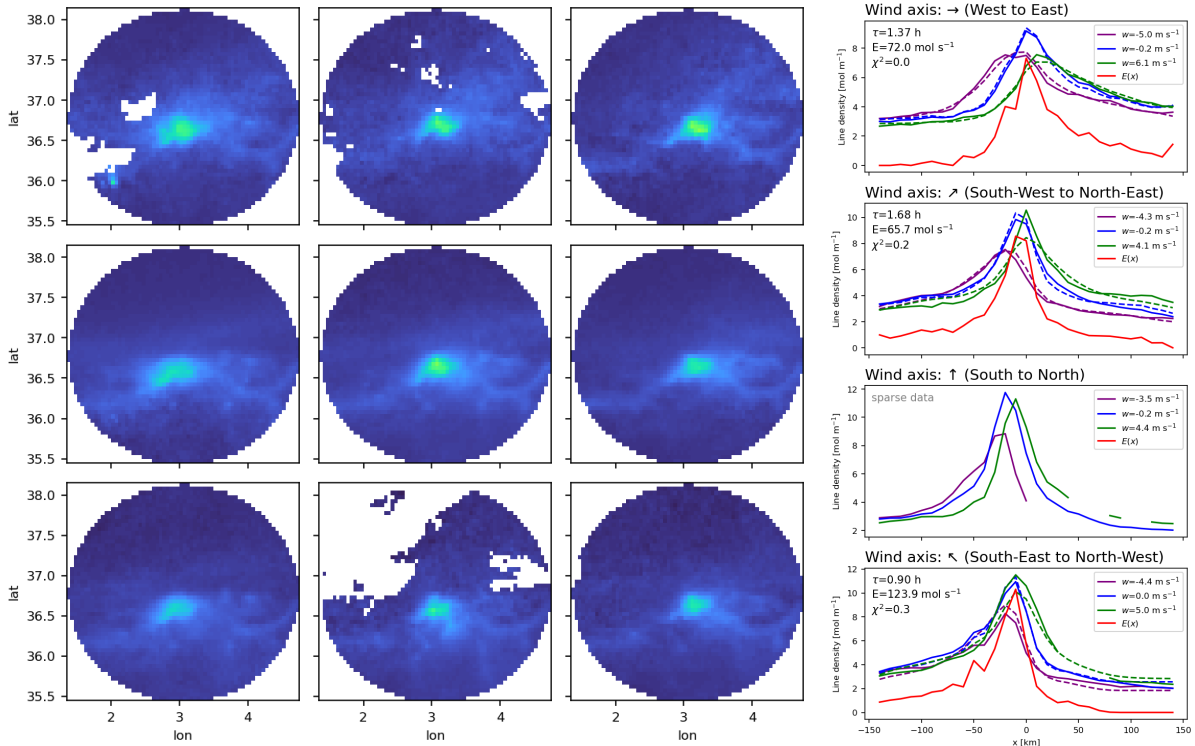
41.1 Winter



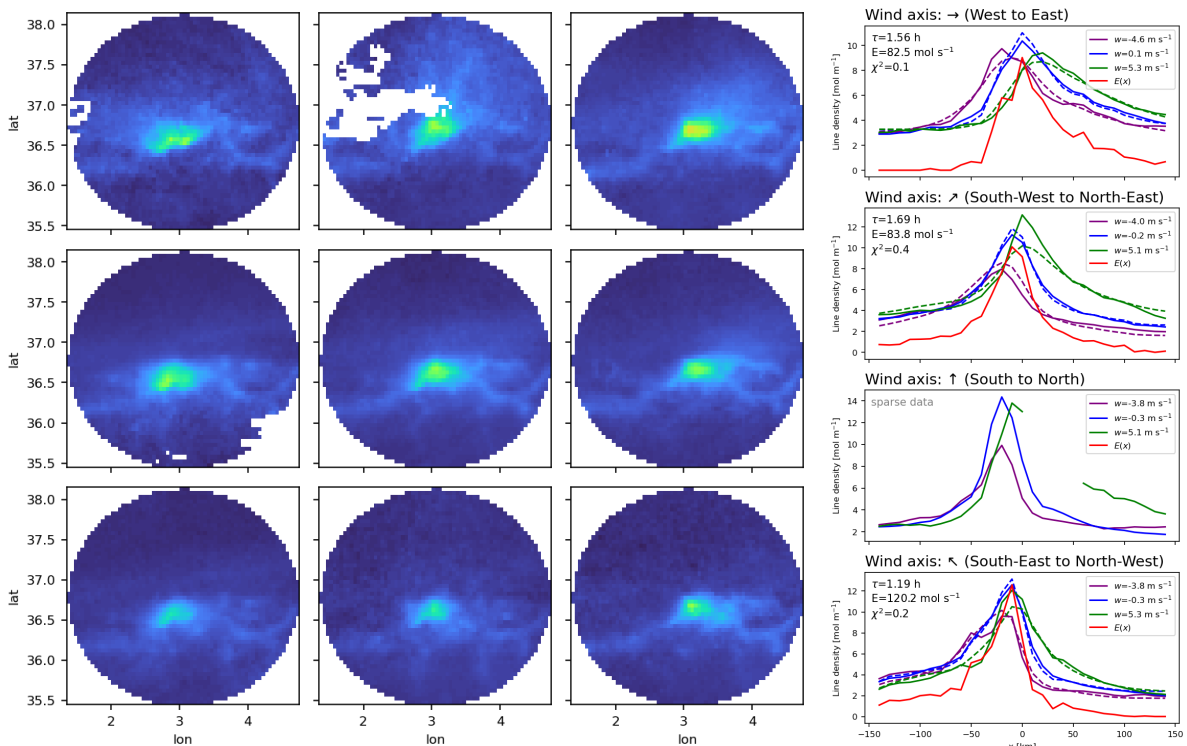
41.2 Spring



41.3 Summer

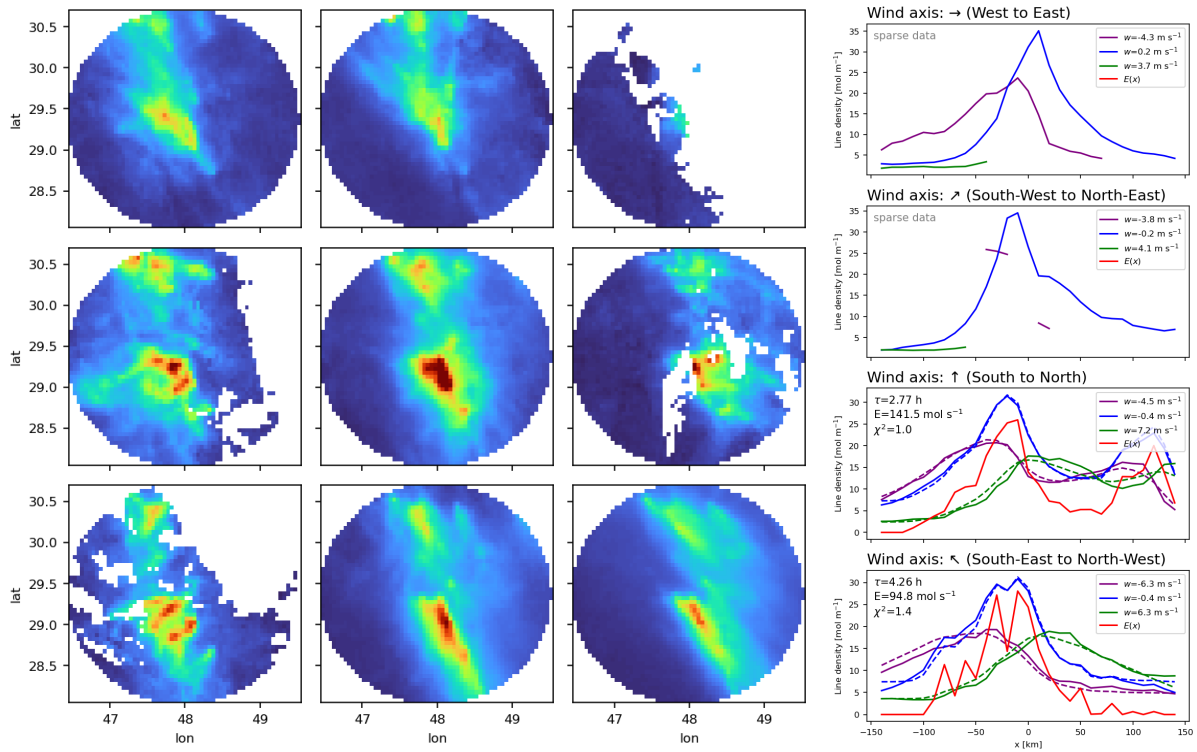


41.4 Autumn

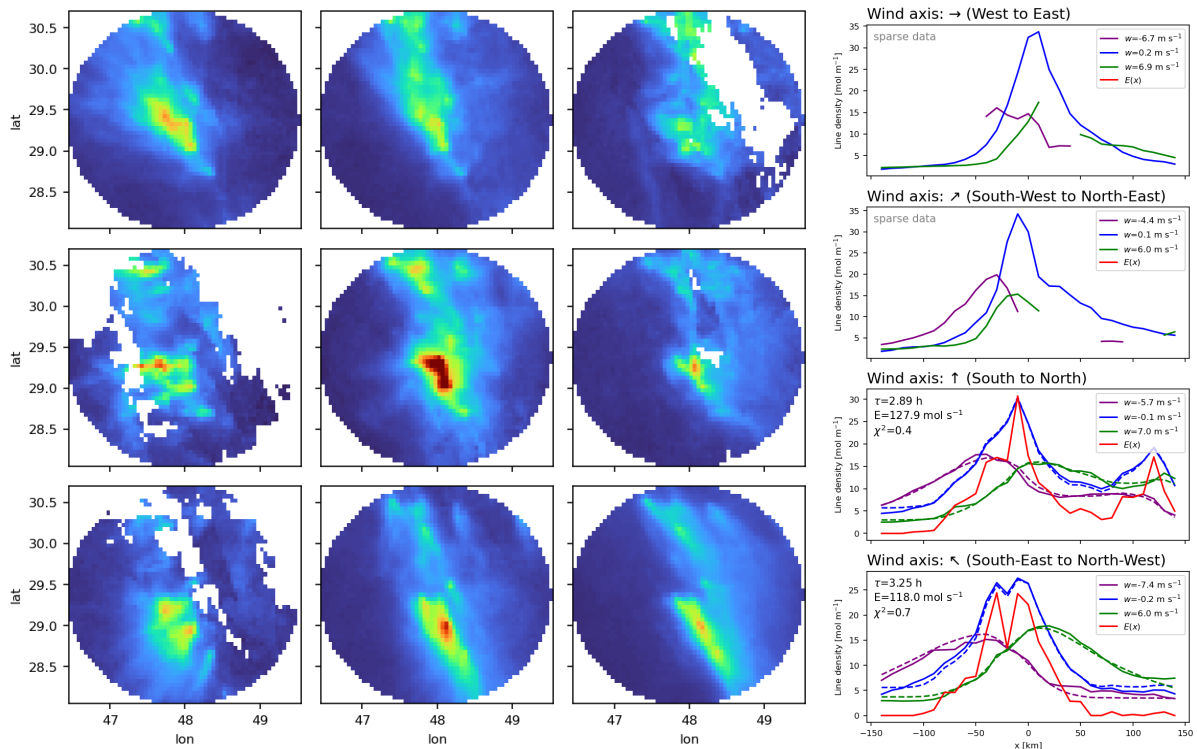


42 Kuwait City

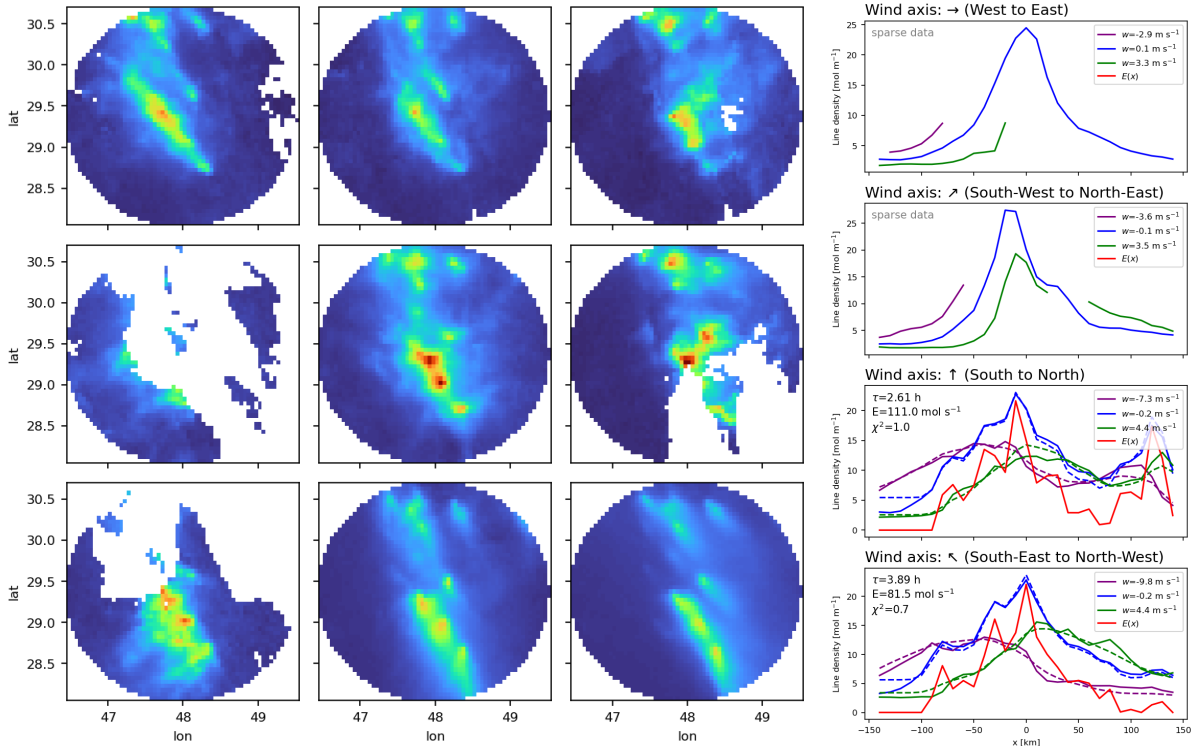
42.1 Winter



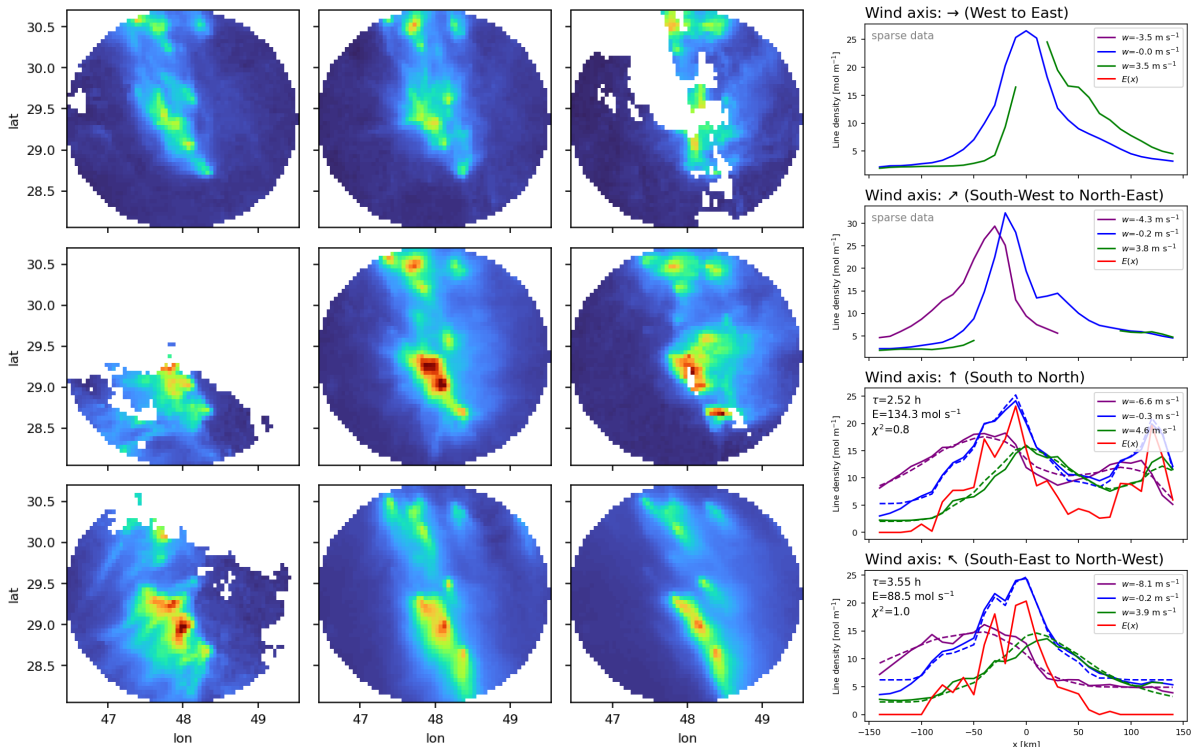
42.2 Spring



42.3 Summer

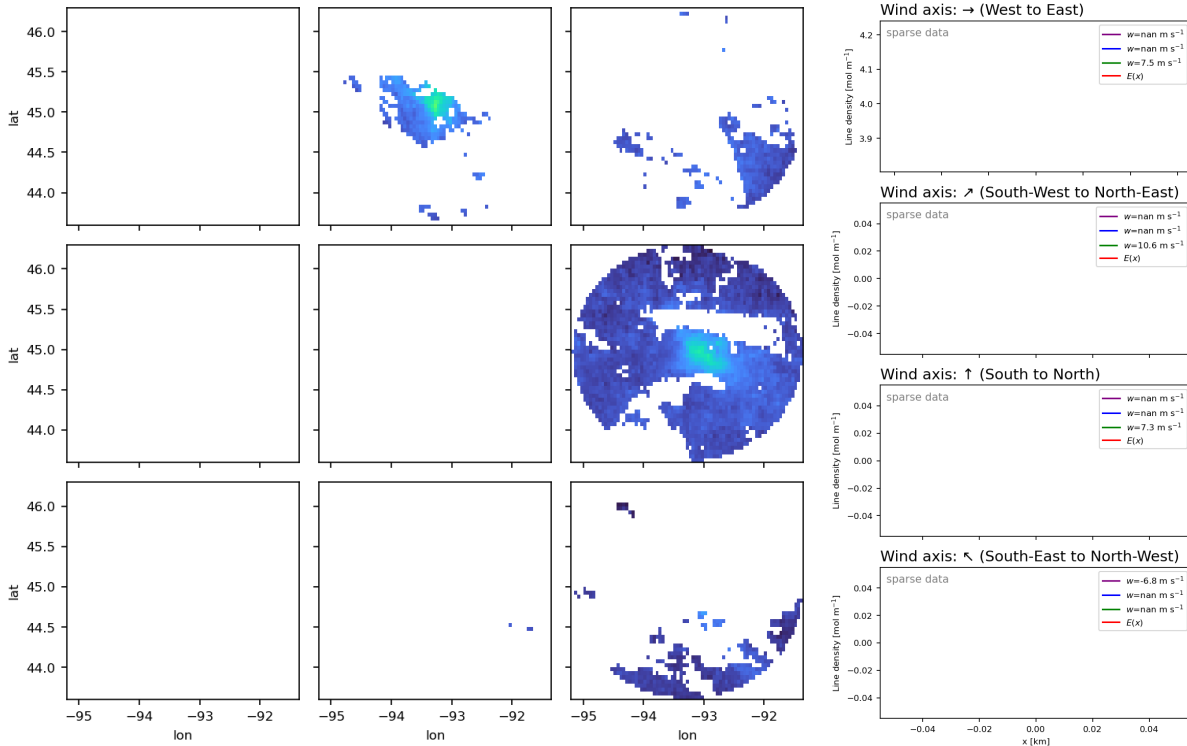


42.4 Autumn

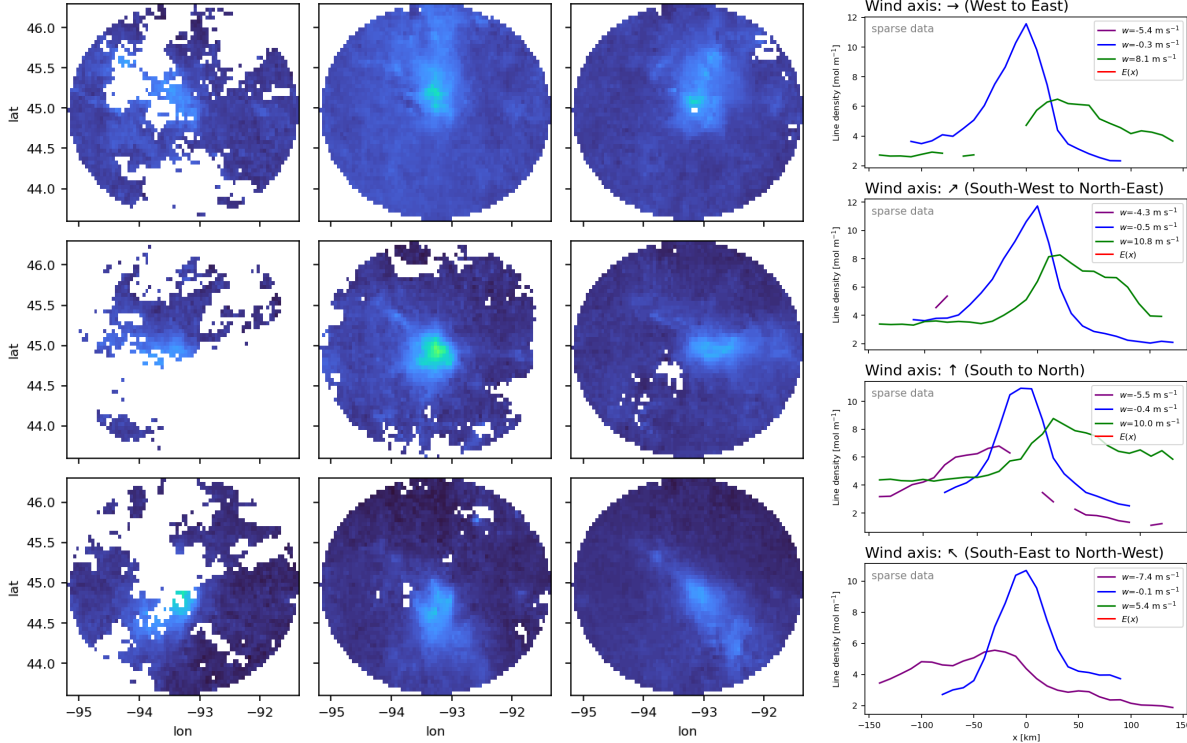


43 Minneapolis

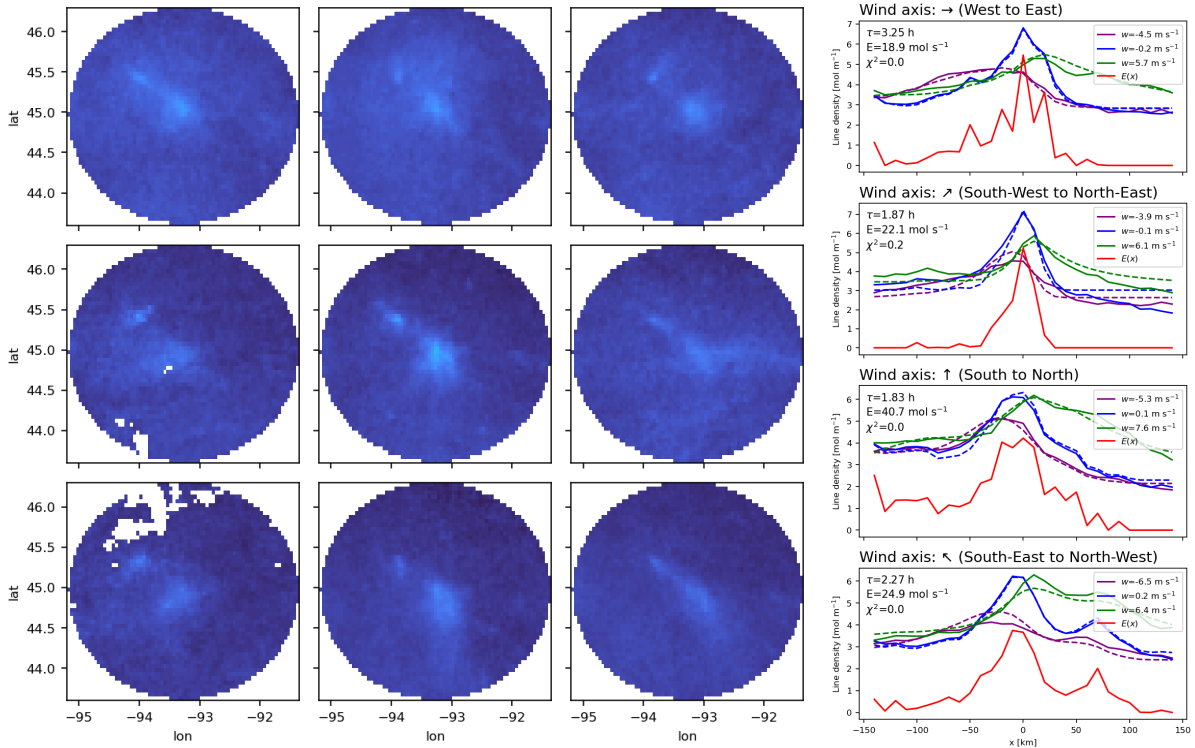
43.1 Winter



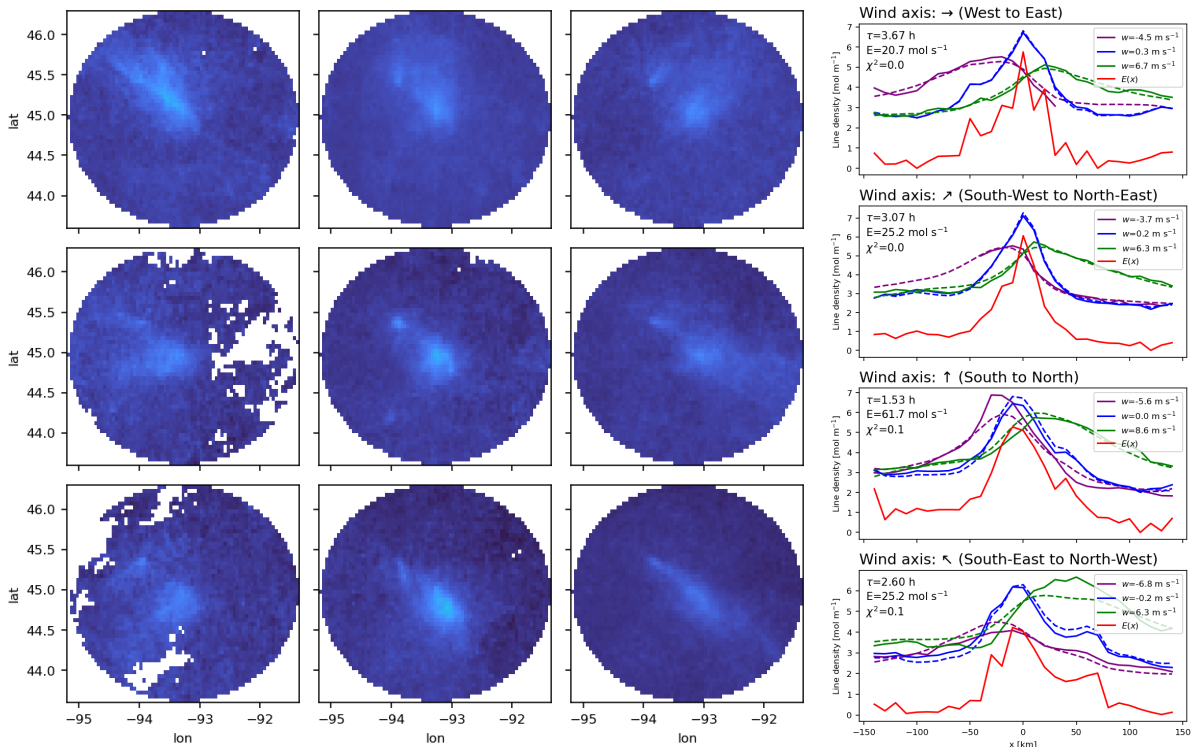
43.2 Spring



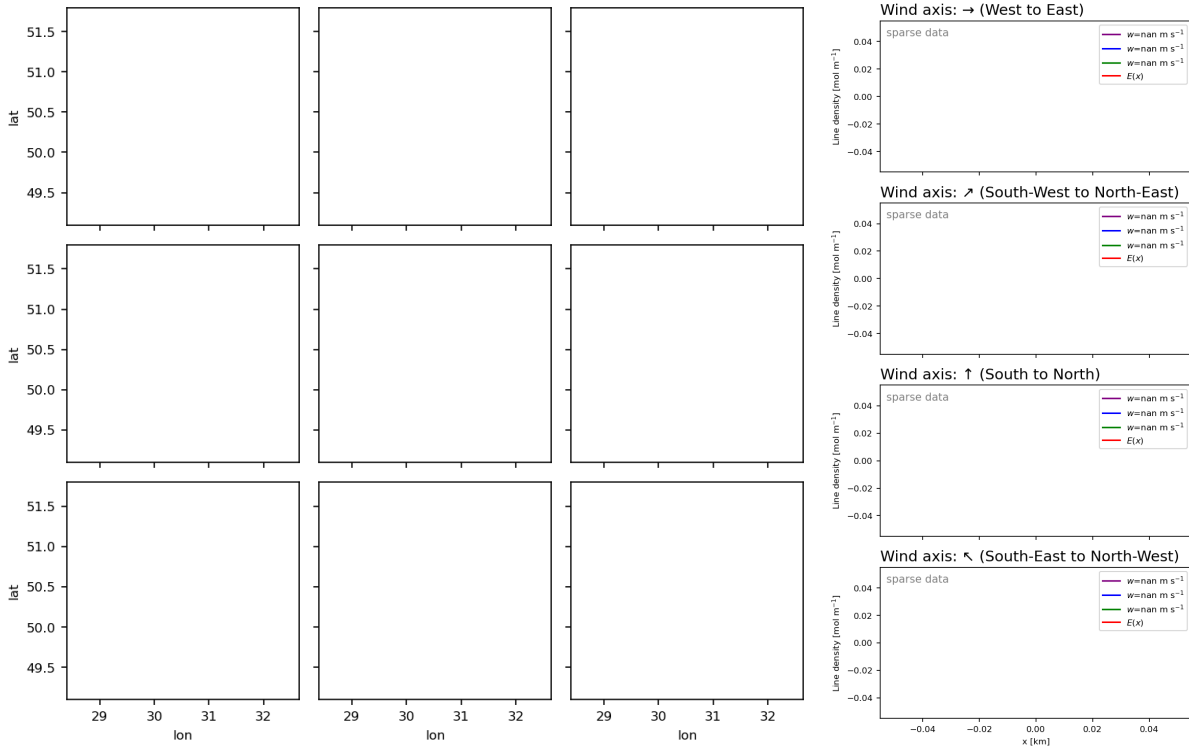
43.3 Summer



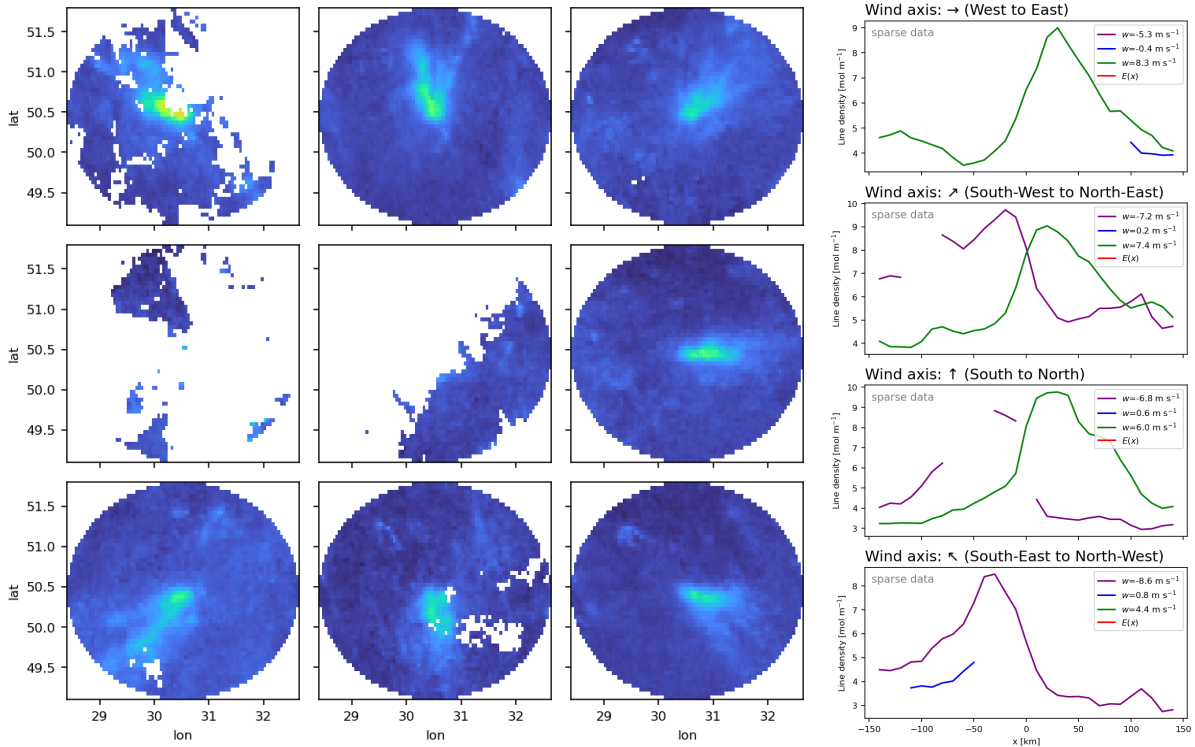
43.4 Autumn



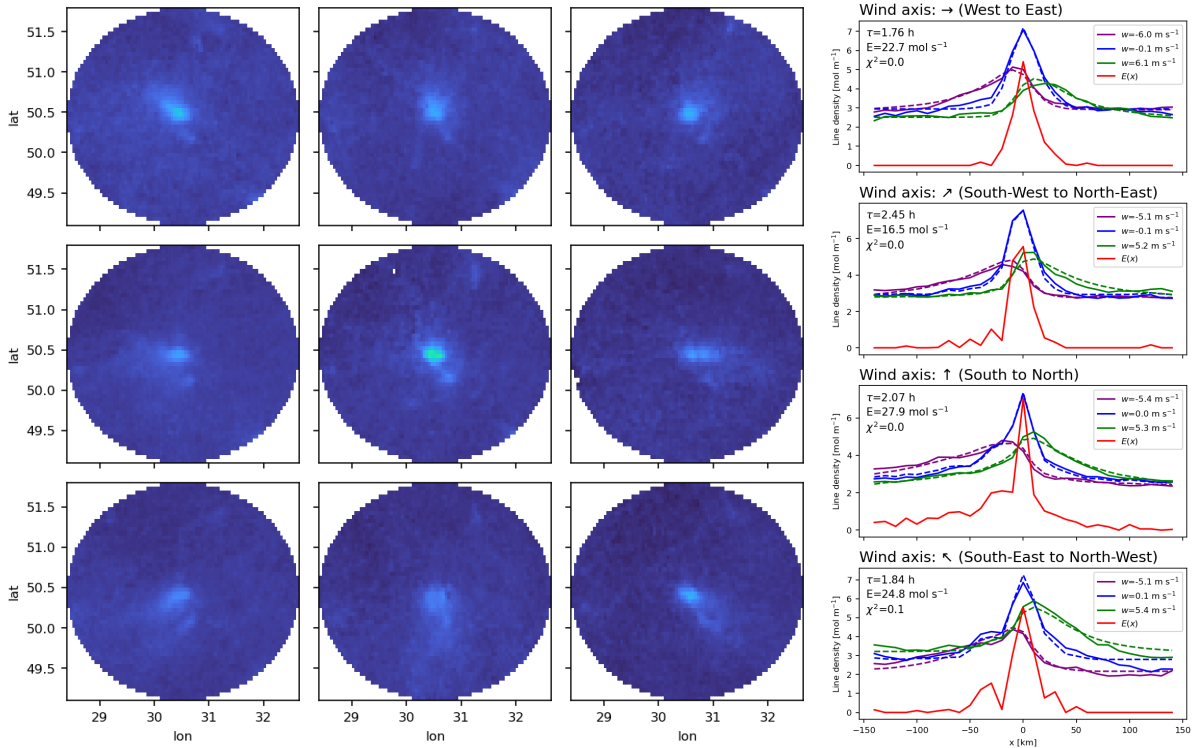
44.1 Winter



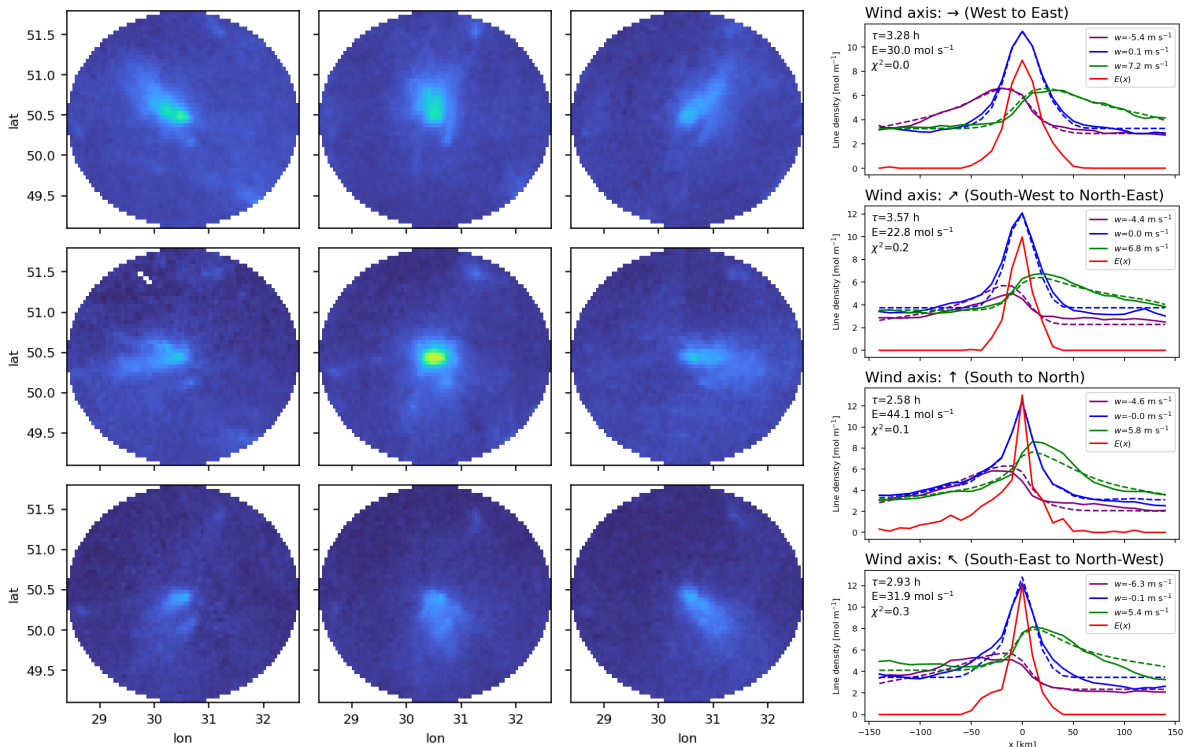
44.2 Spring



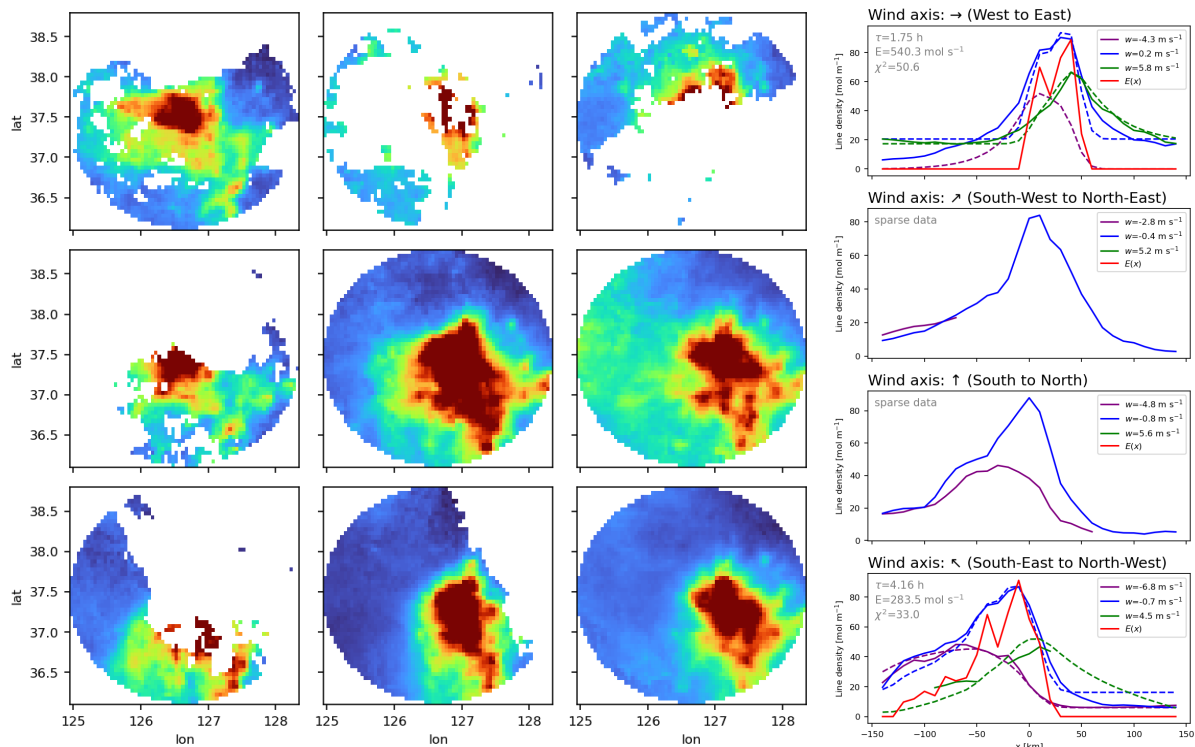
44.3 Summer



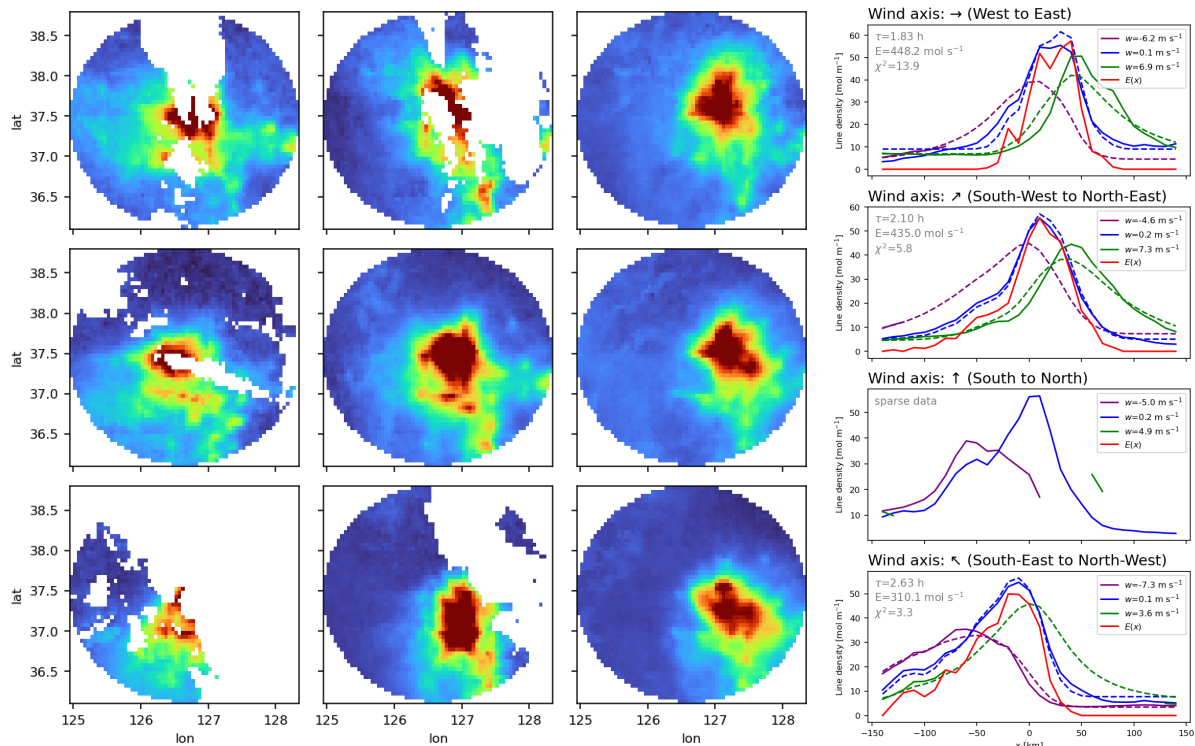
44.4 Autumn



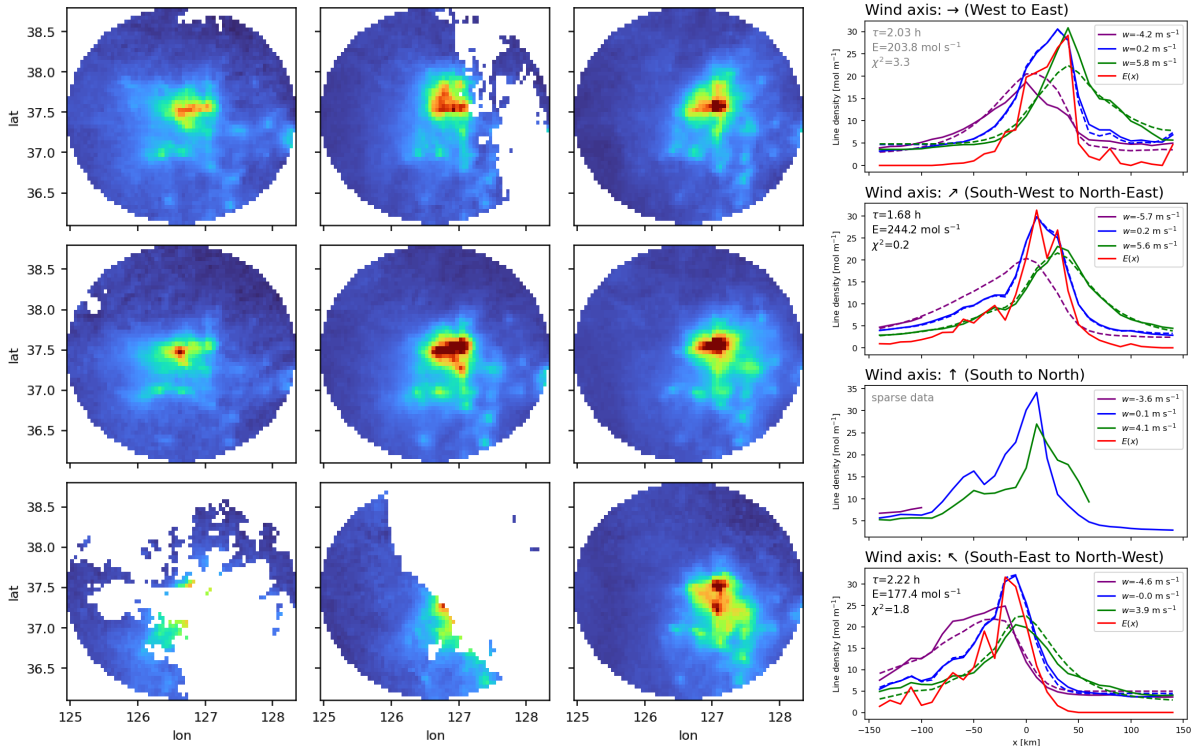
45.1 Winter



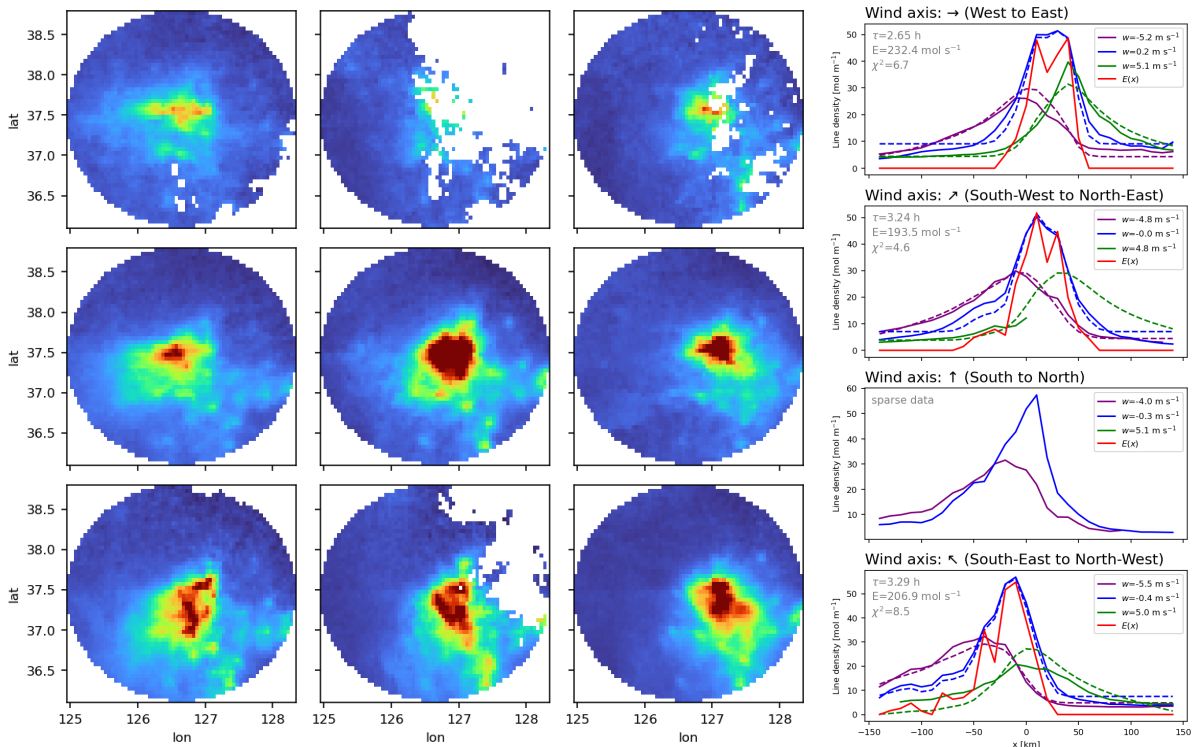
45.2 Spring



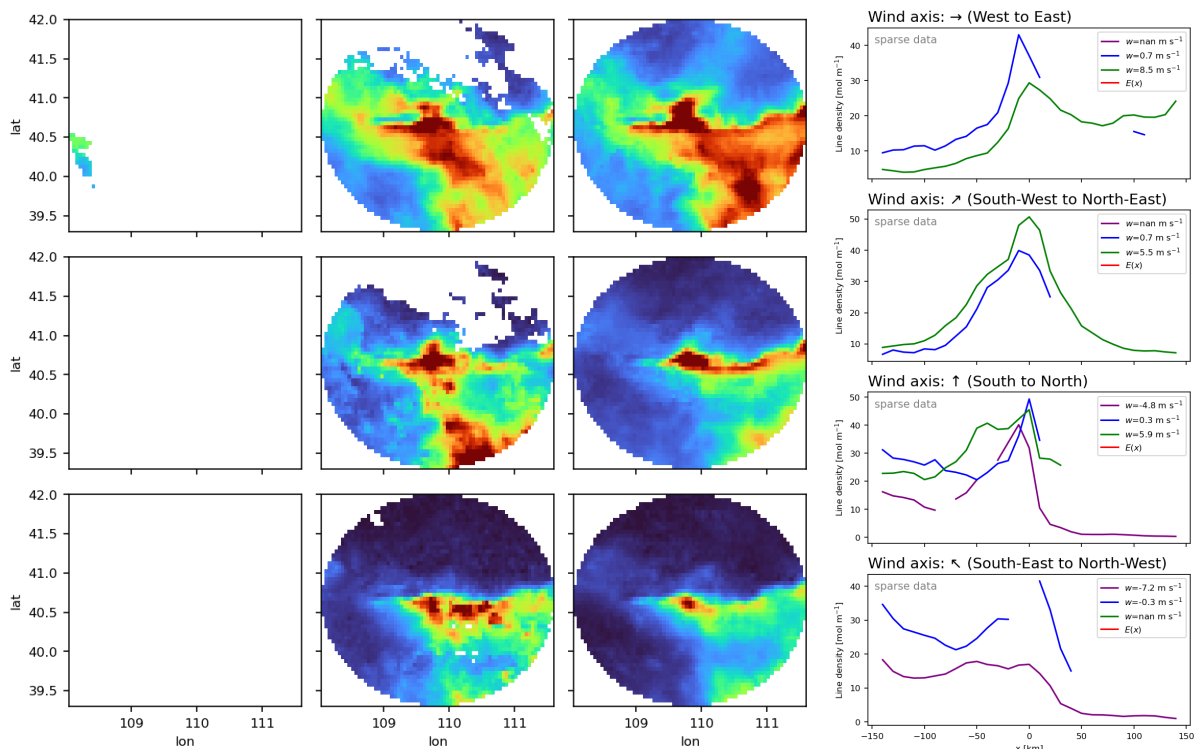
45.3 Summer



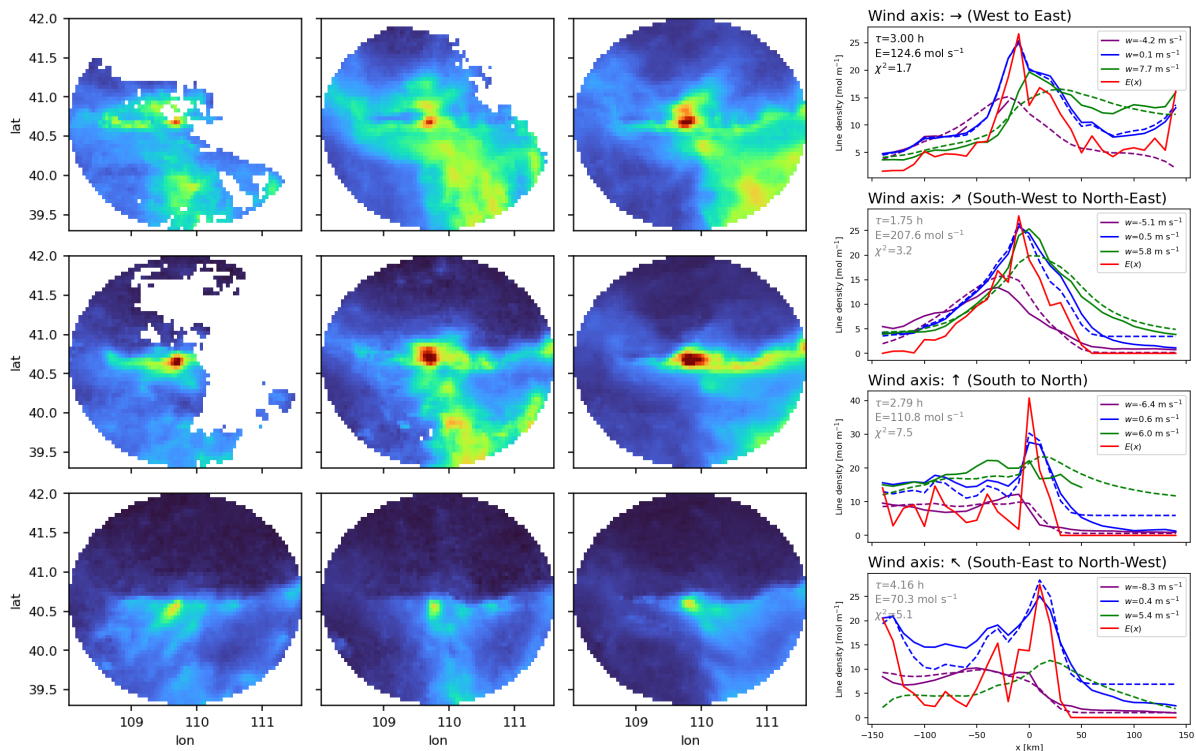
45.4 Autumn



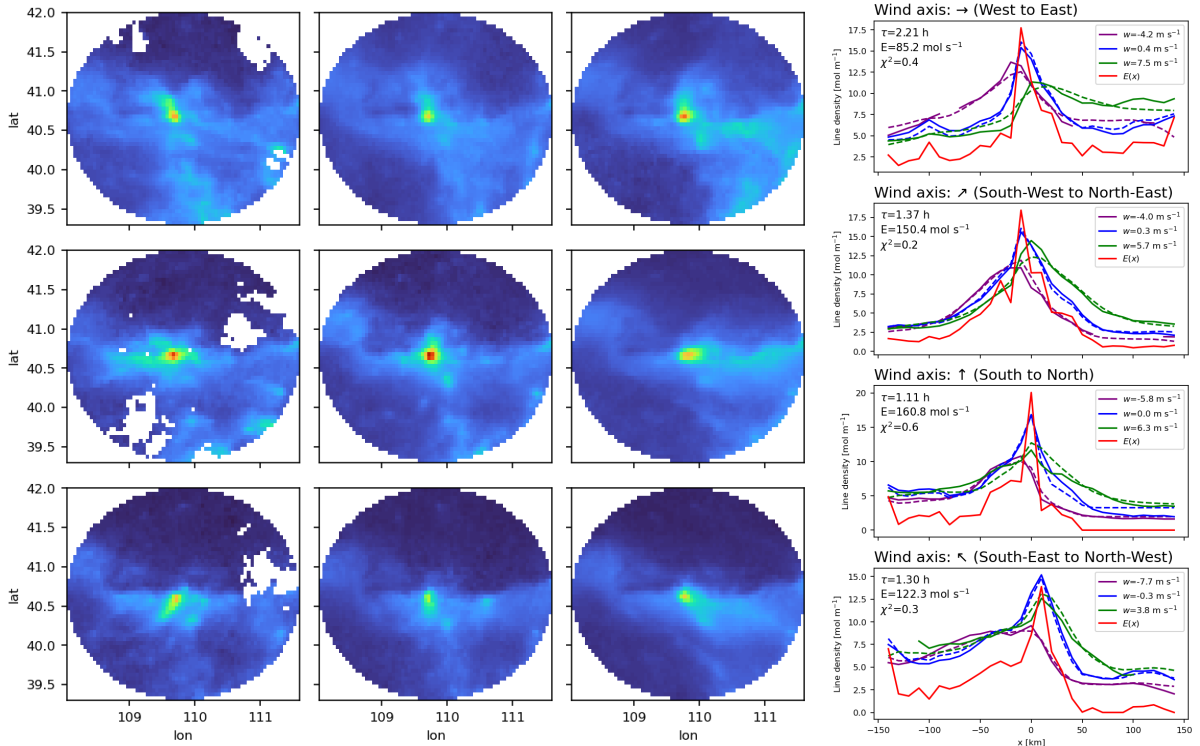
46.1 Winter



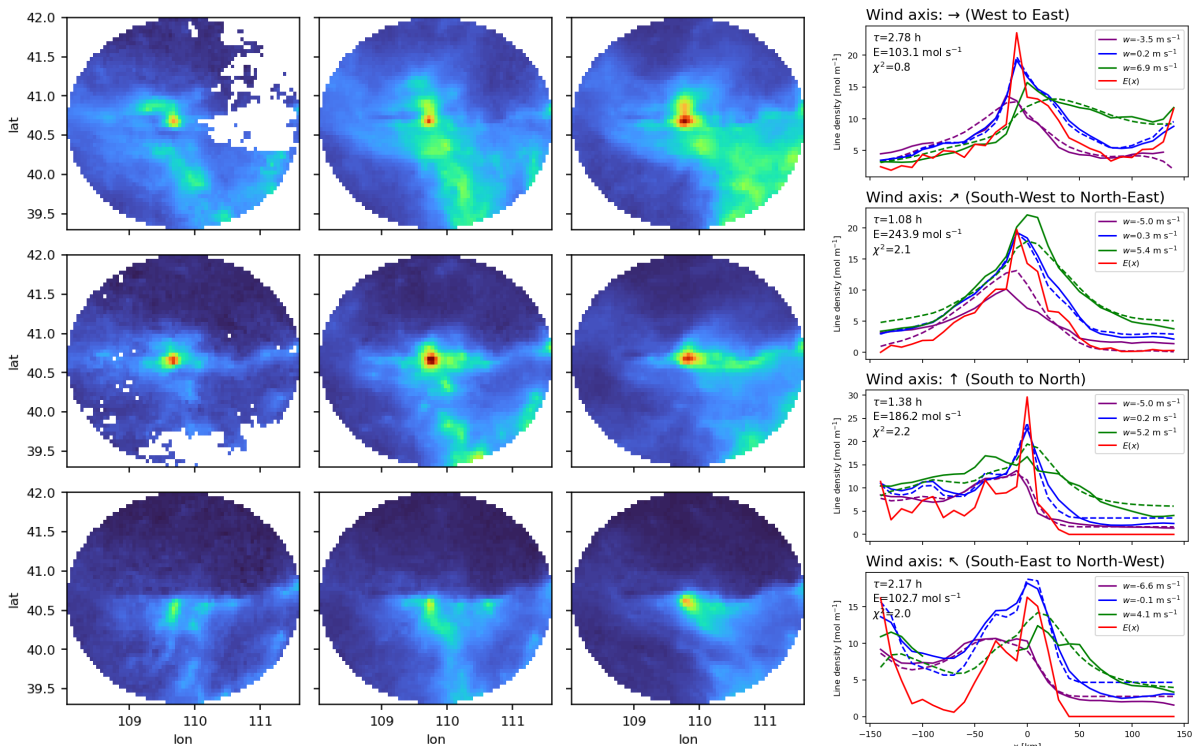
46.2 Spring



46.3 Summer

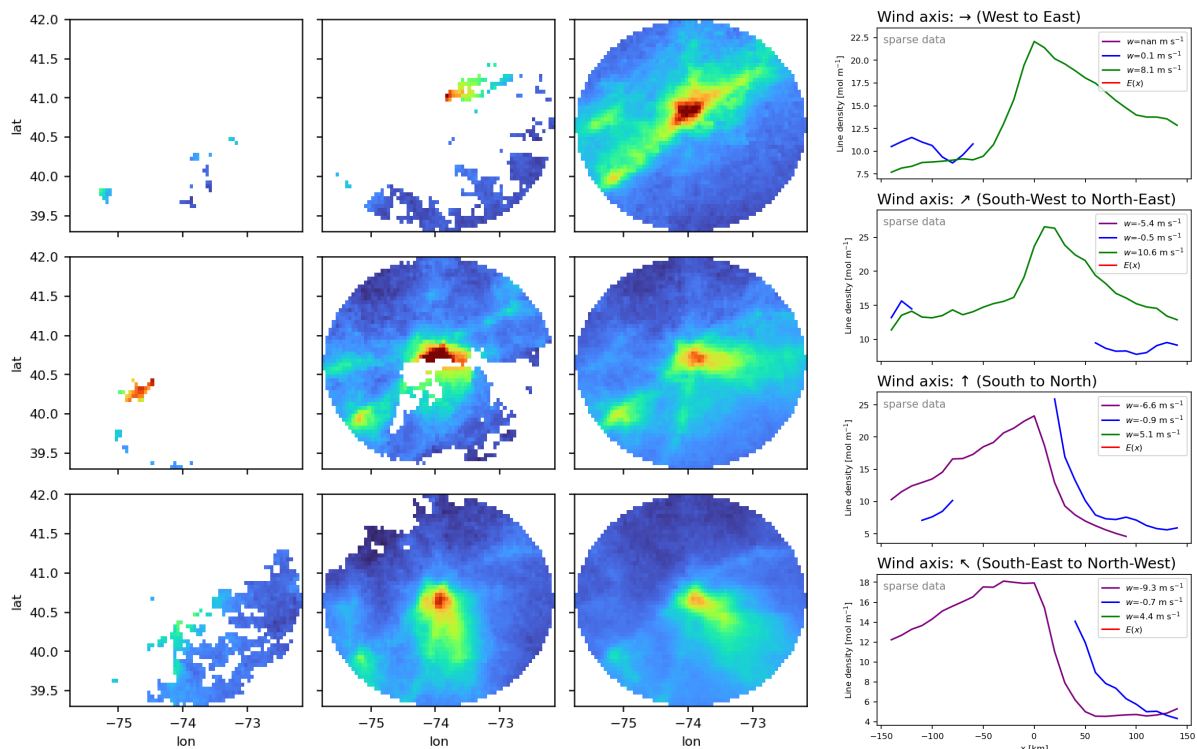


46.4 Autumn

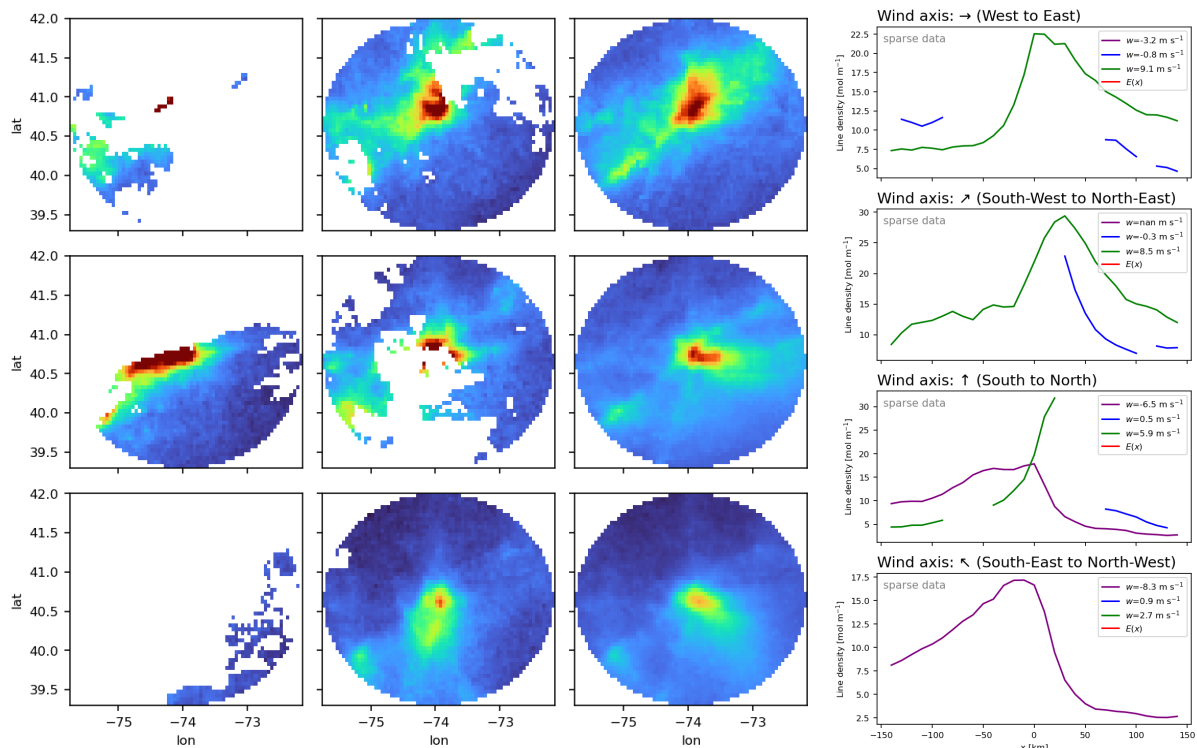


47 Brooklyn

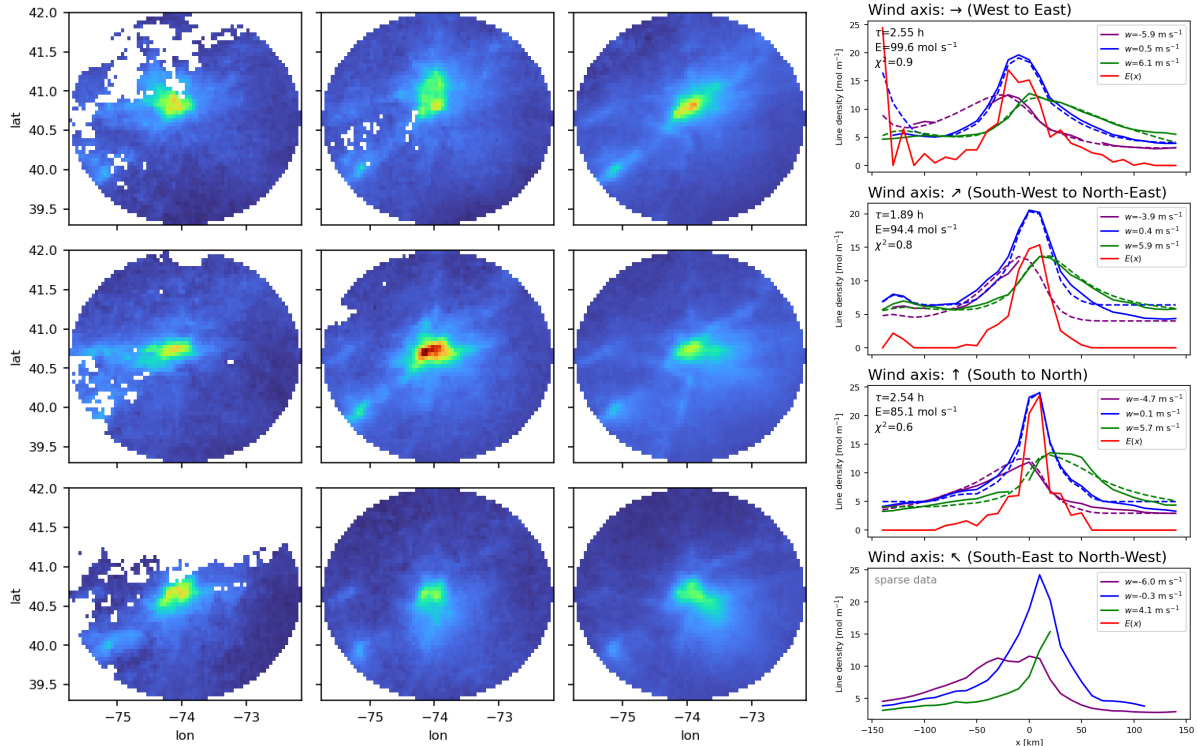
47.1 Winter



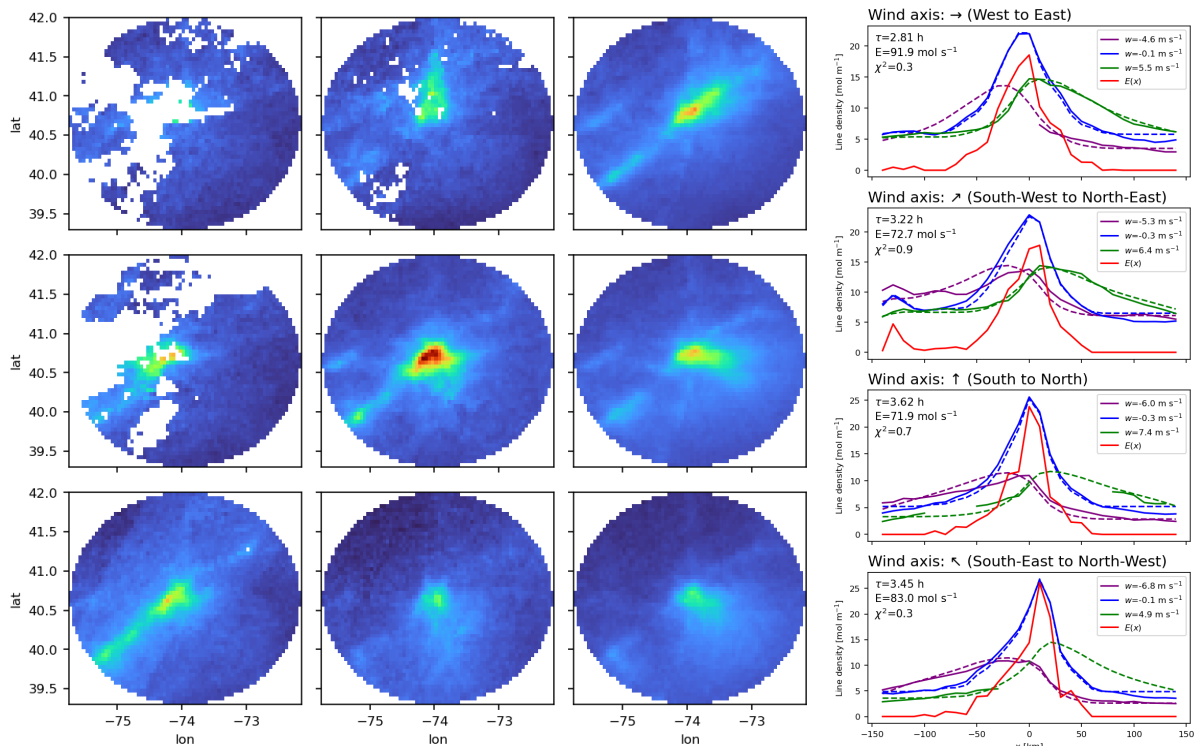
47.2 Spring



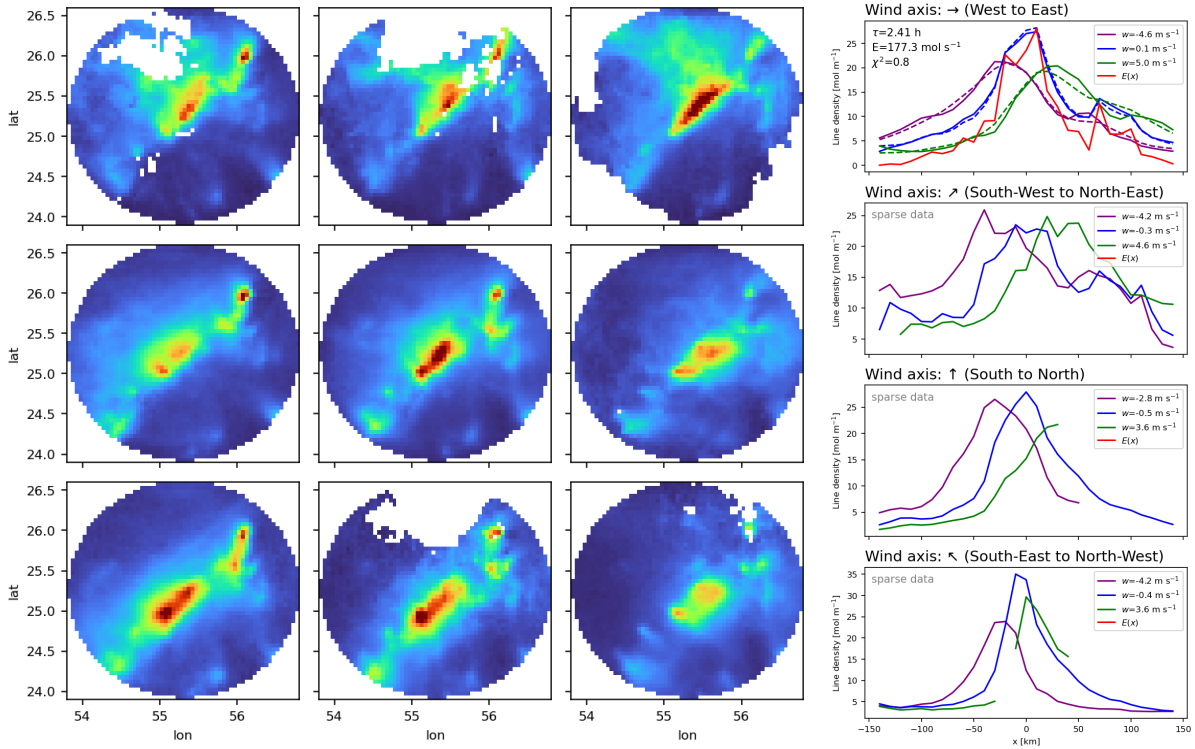
47.3 Summer



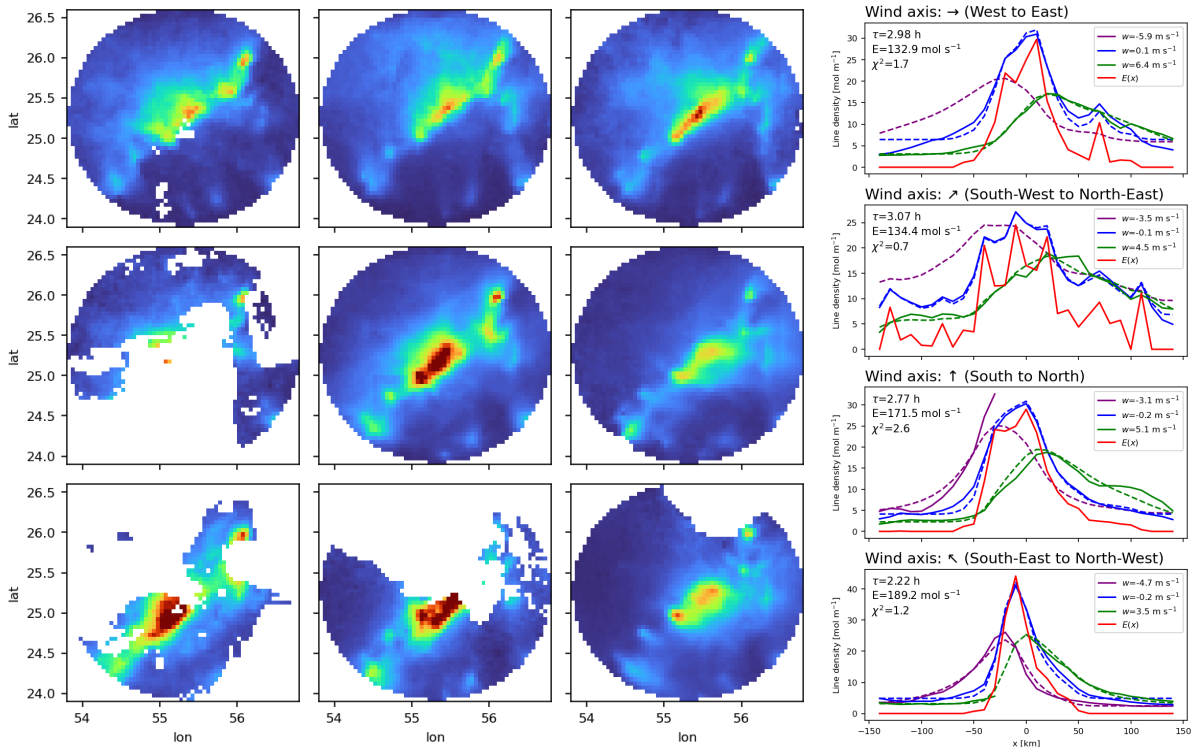
47.4 Autumn



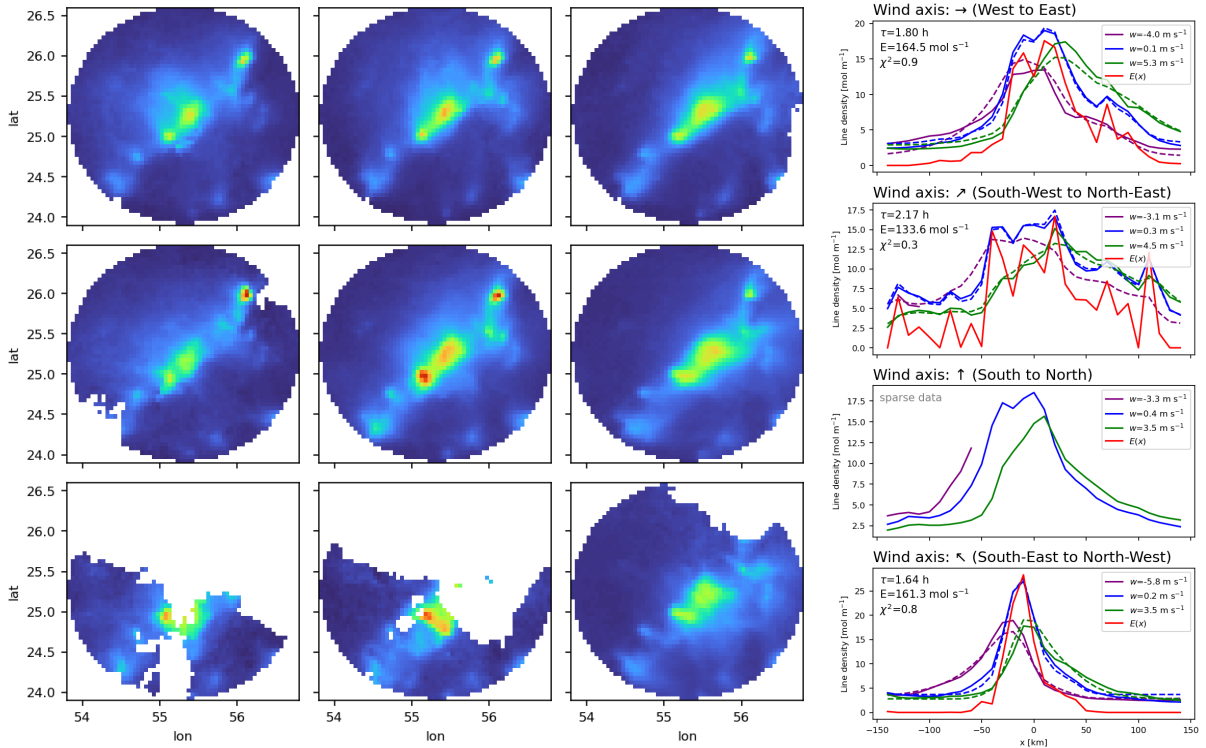
48.1 Winter



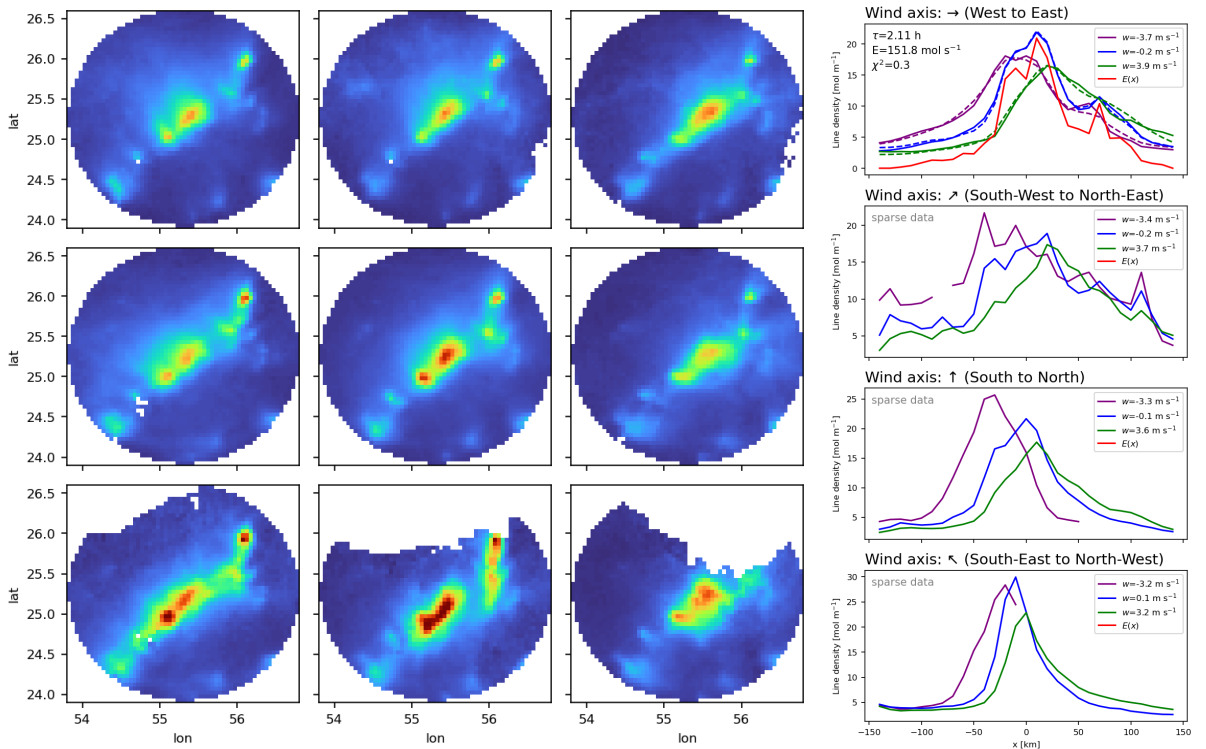
48.2 Spring



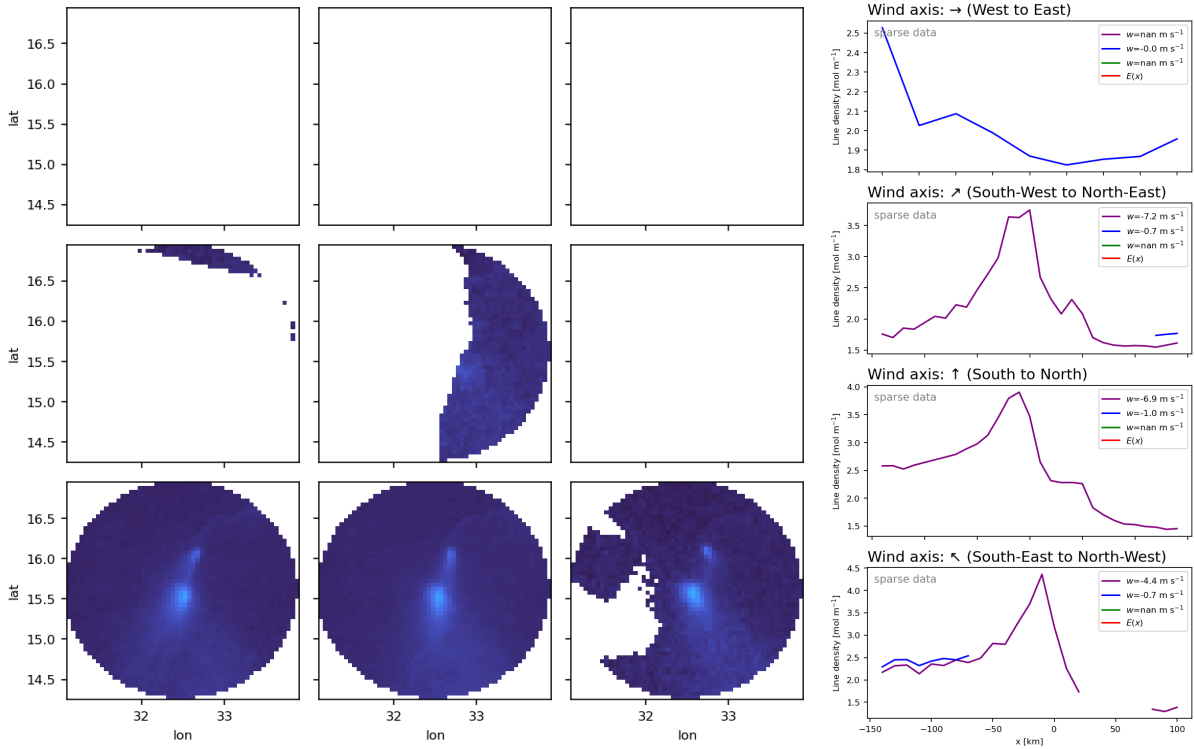
48.3 Summer



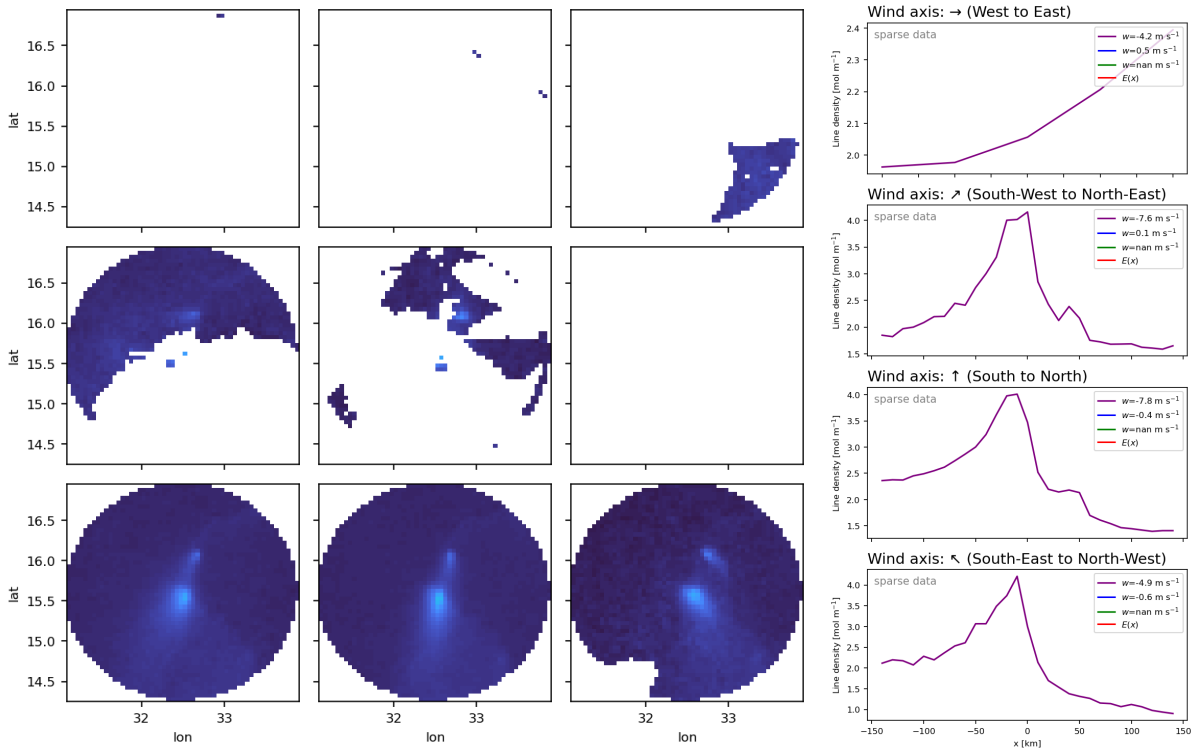
48.4 Autumn



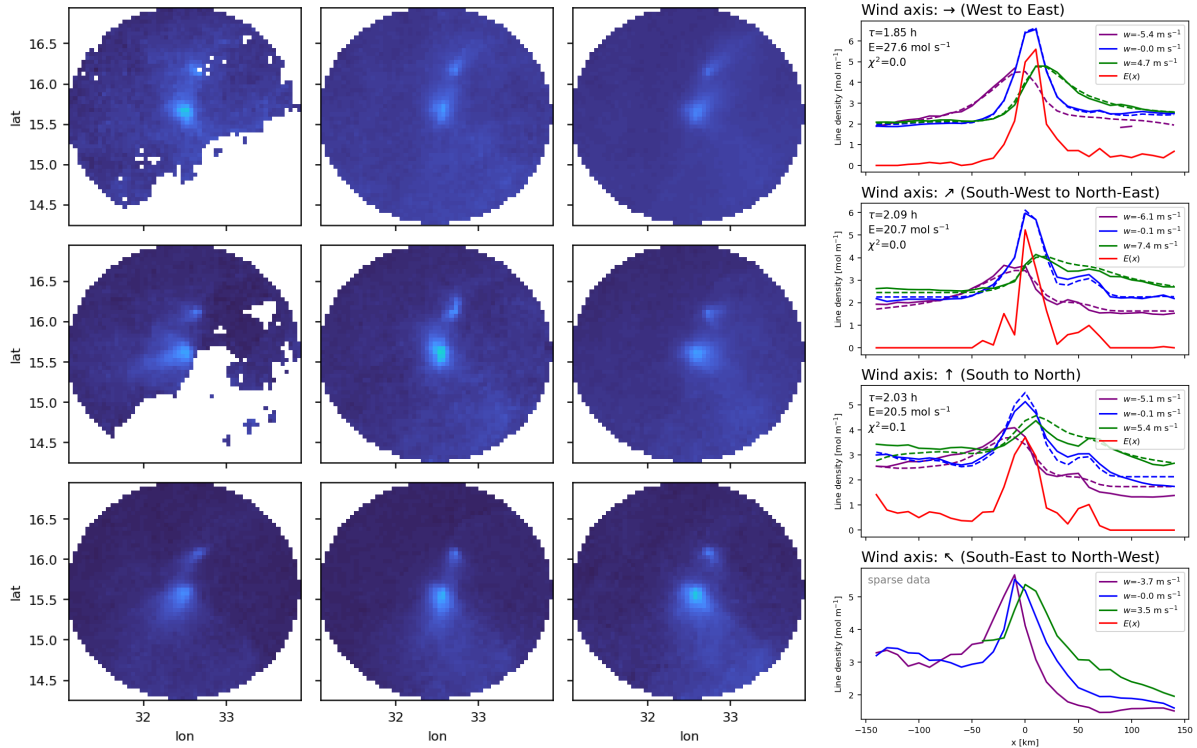
49.1 Winter



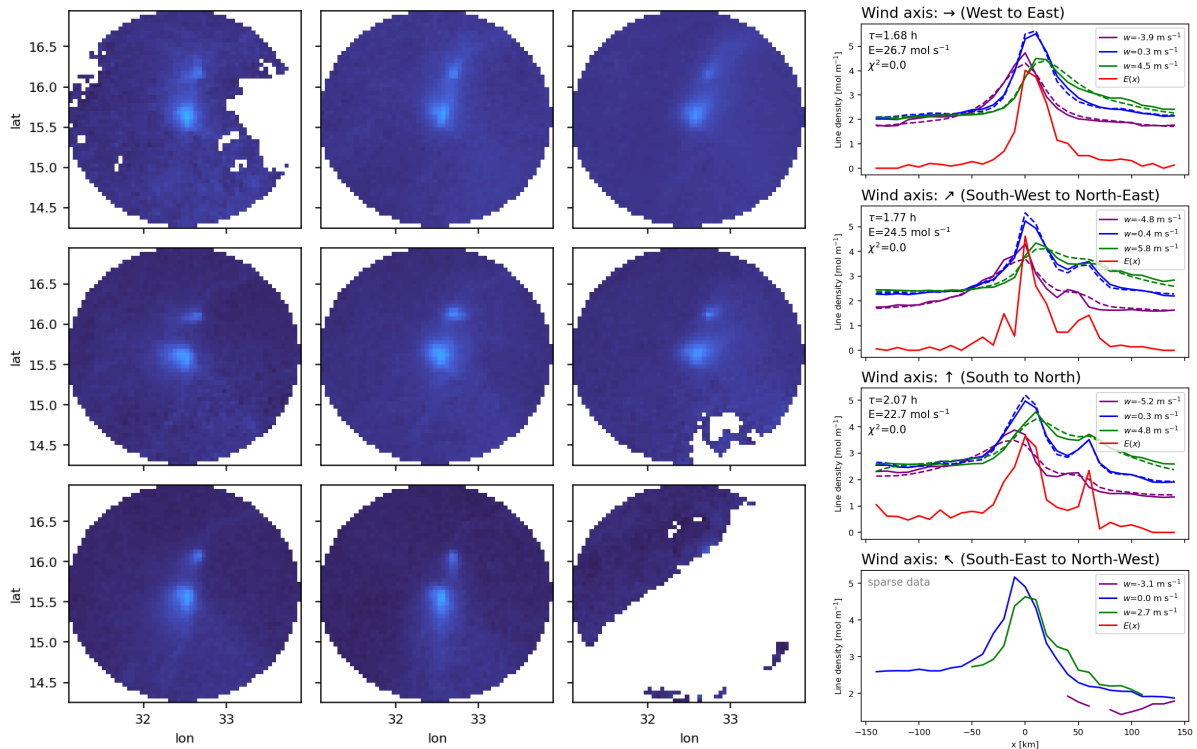
49.2 Spring



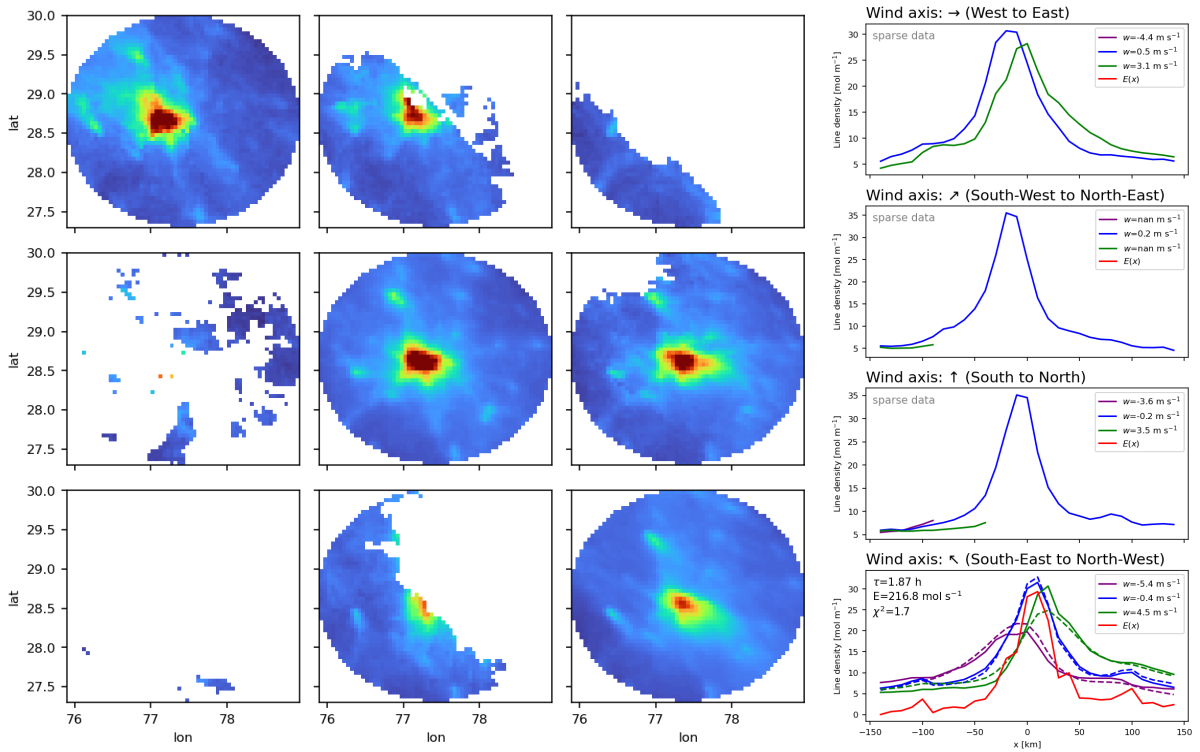
49.3 Summer



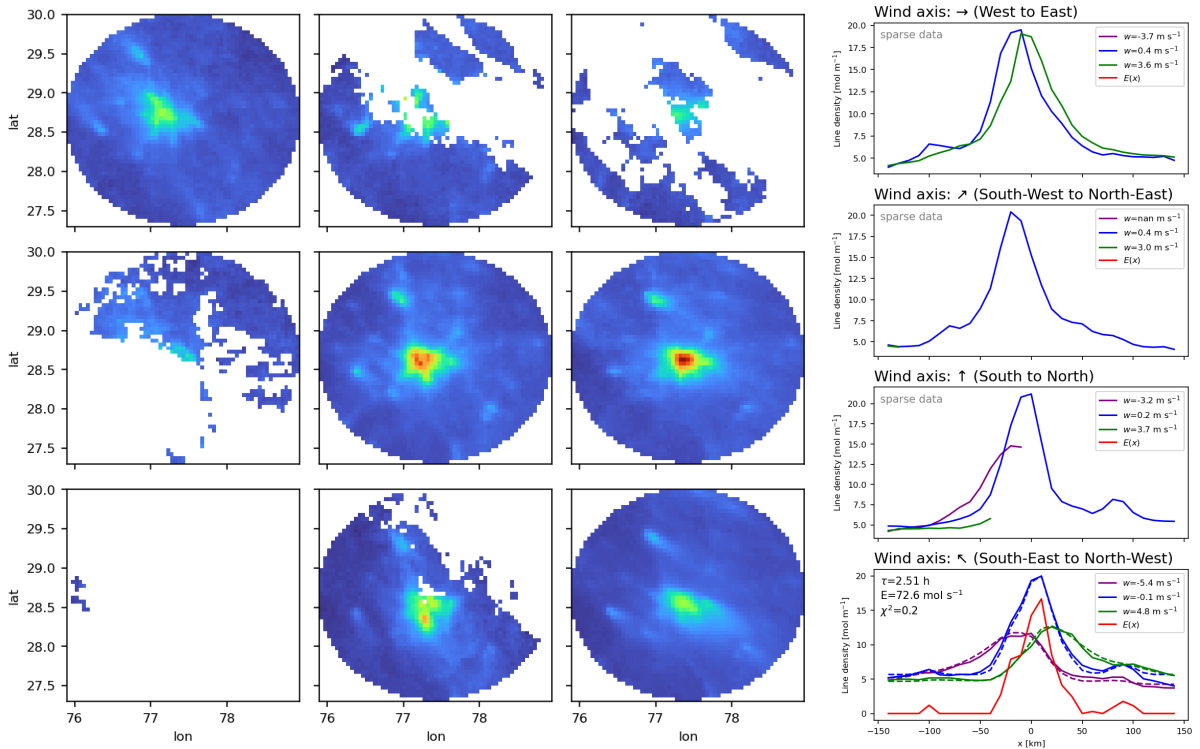
49.4 Autumn



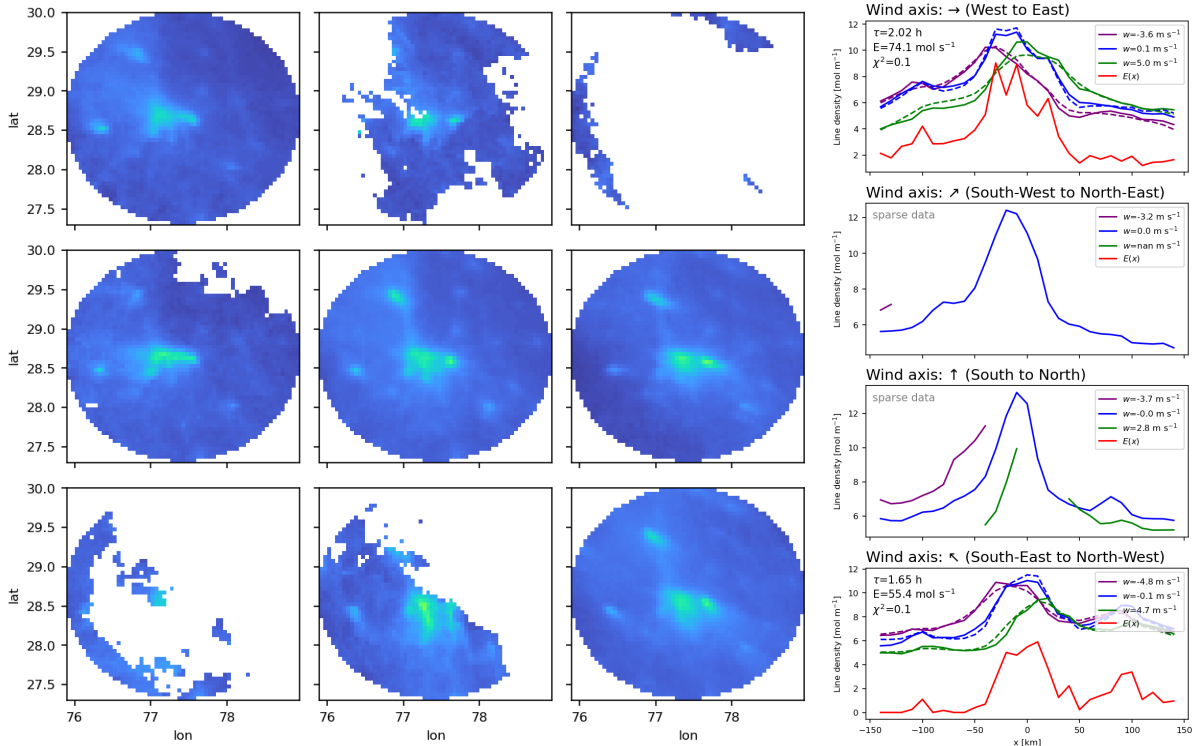
50.1 Winter



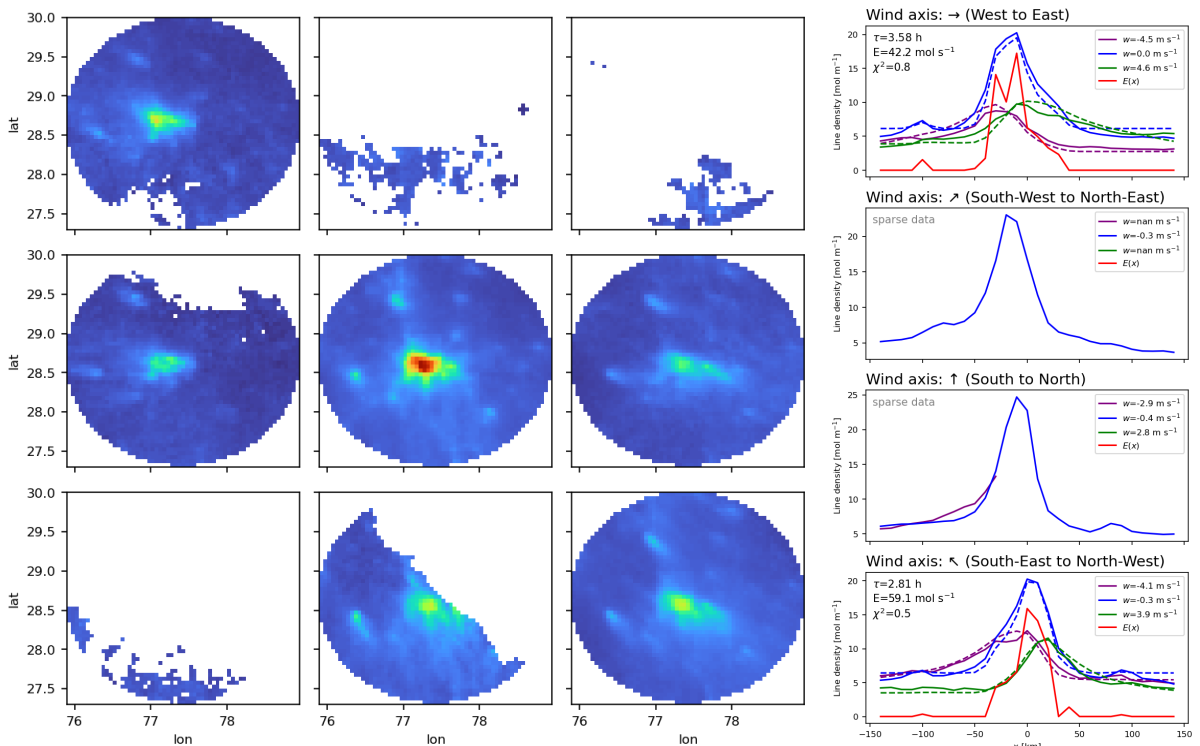
50.2 Spring



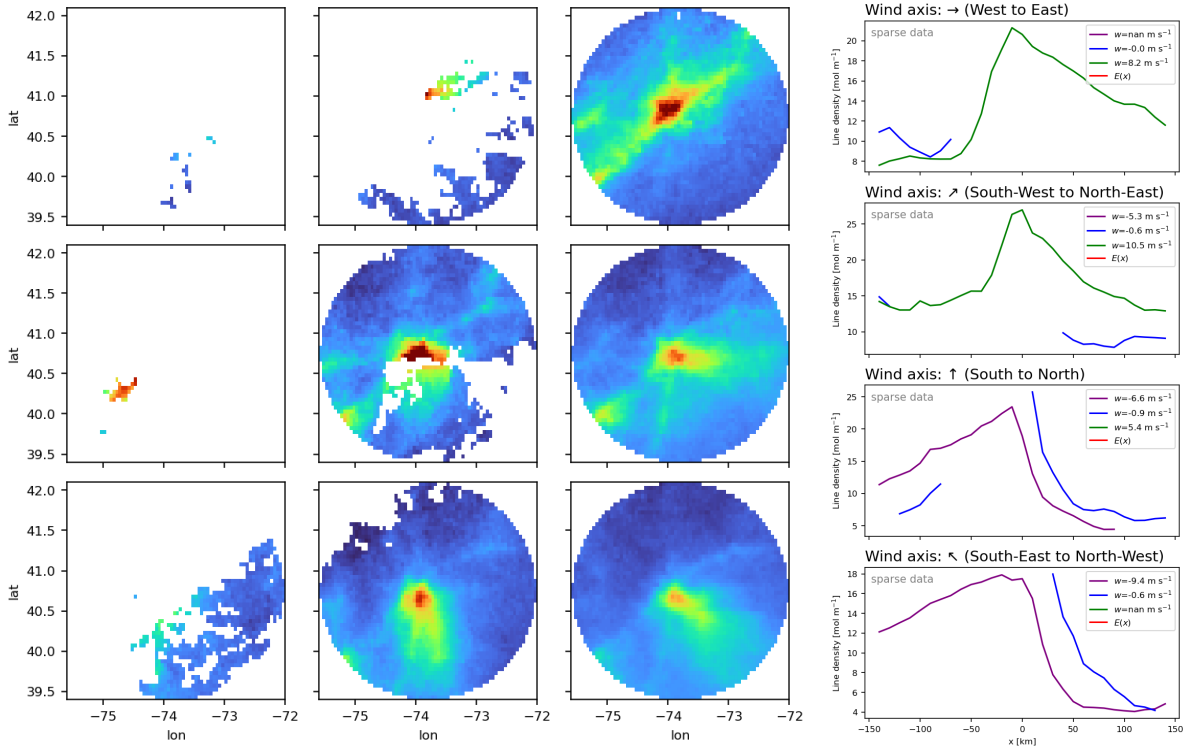
50.3 Summer



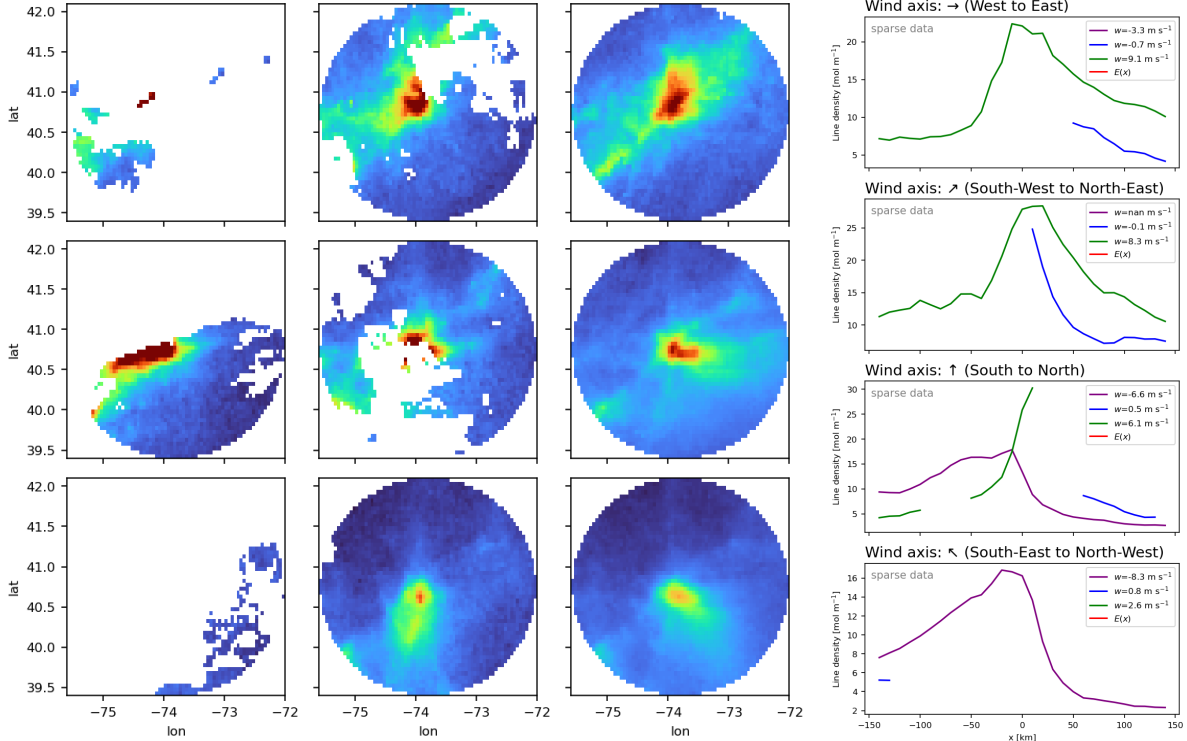
50.4 Autumn



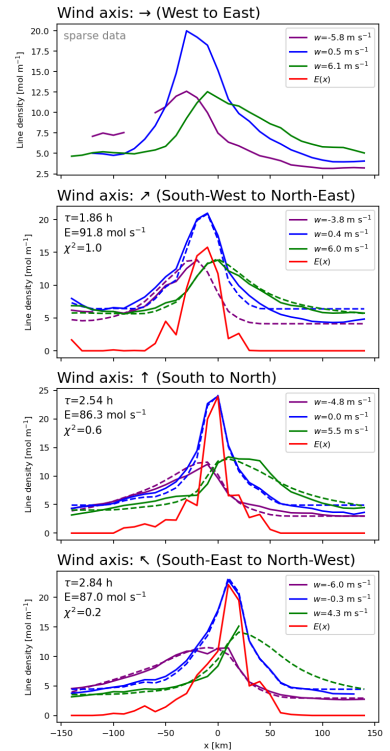
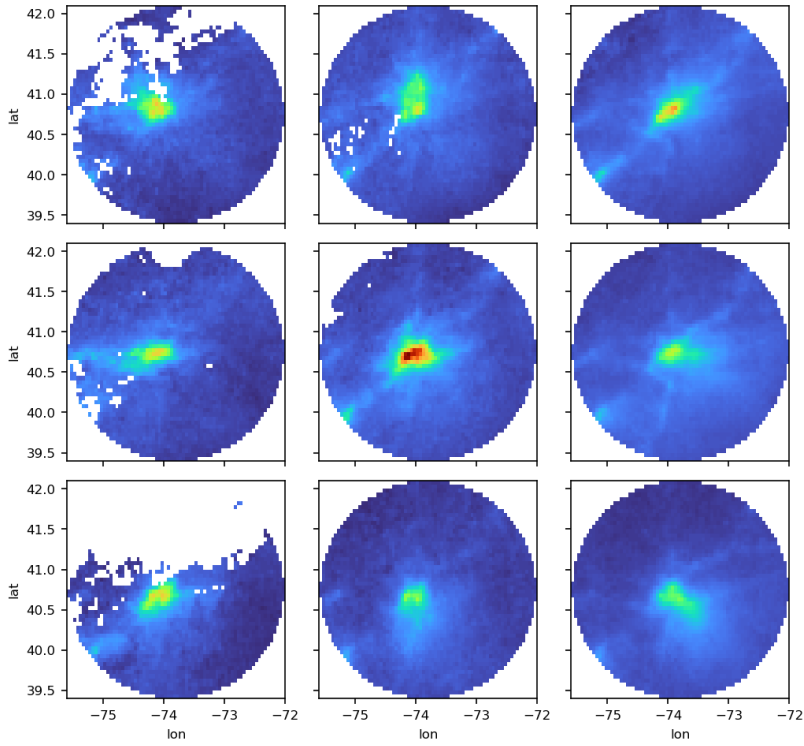
51.1 Winter



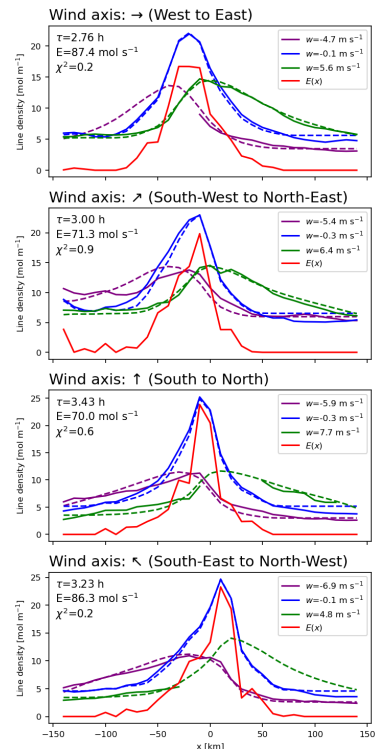
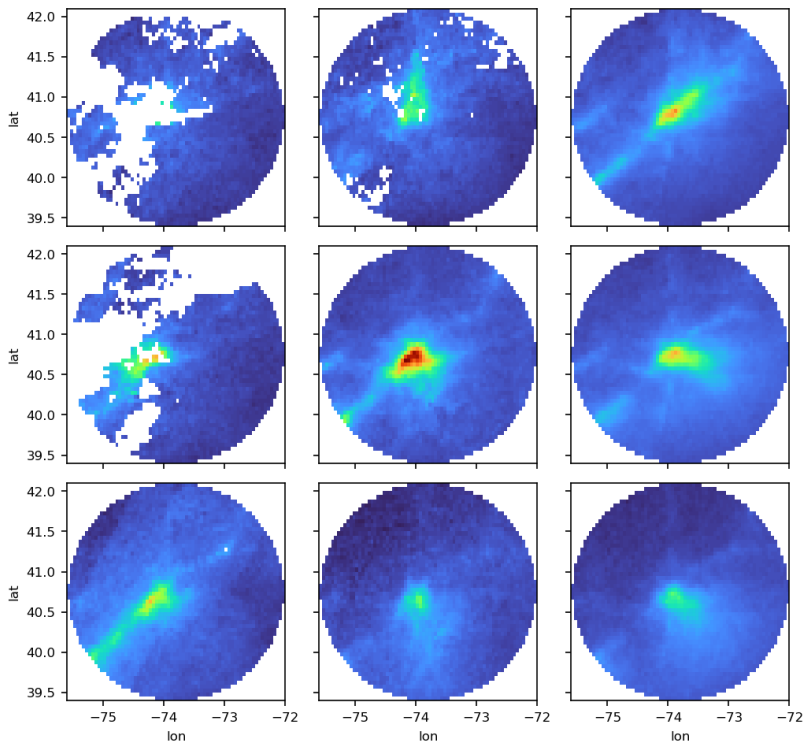
51.2 Spring



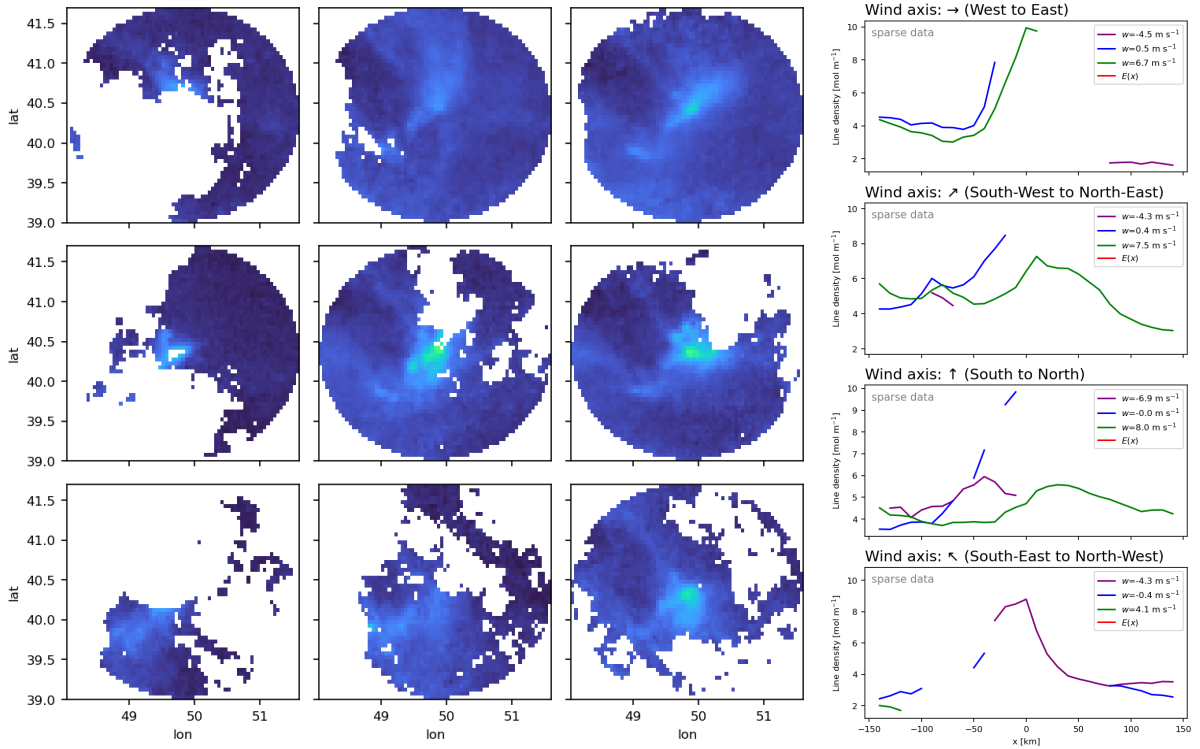
51.3 Summer



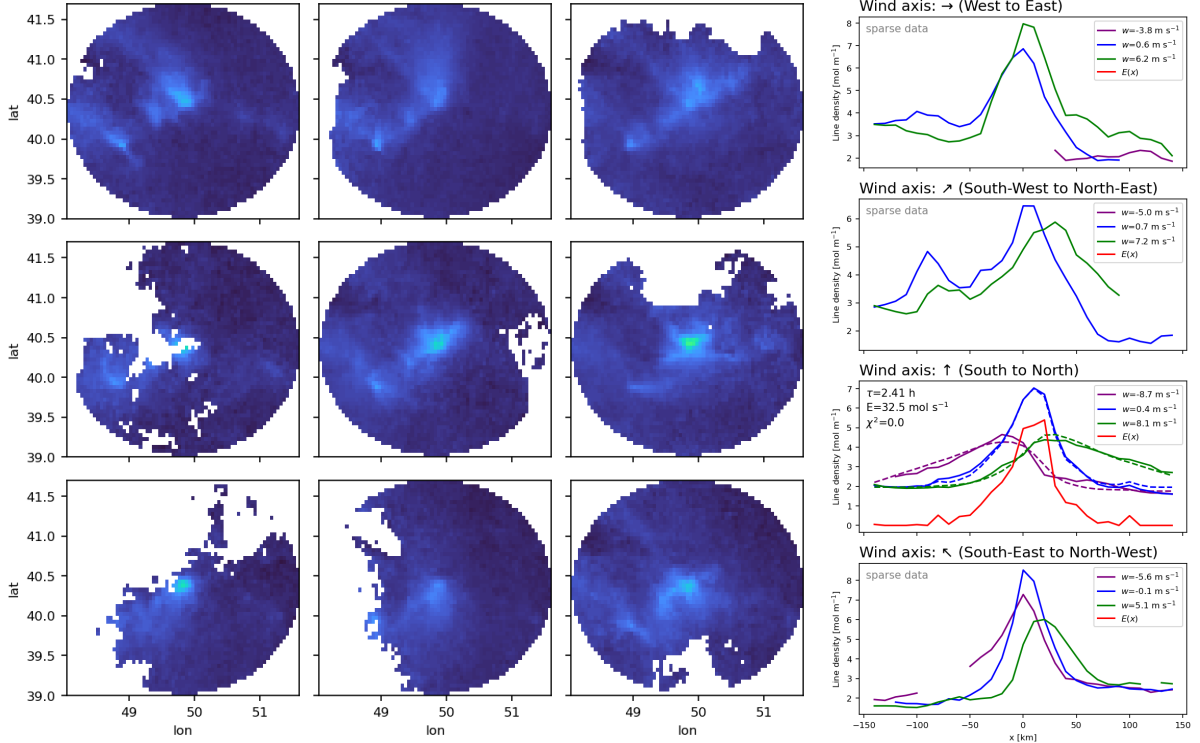
51.4 Autumn



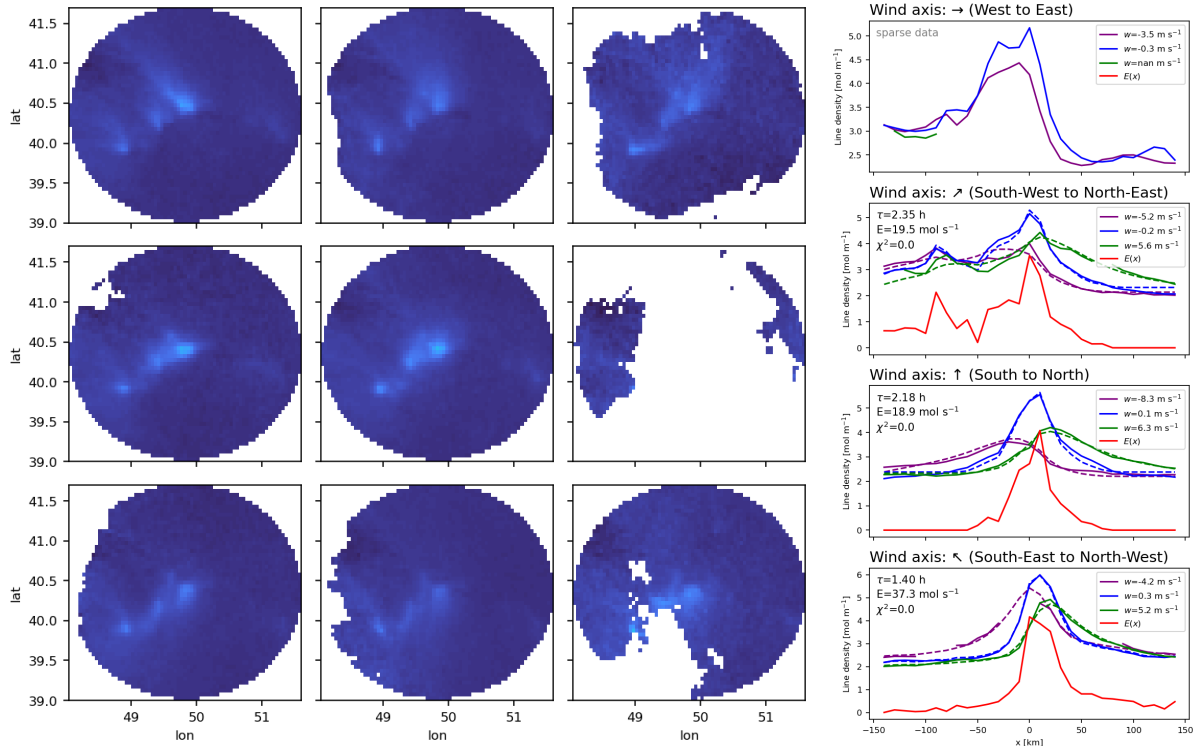
52.1 Winter



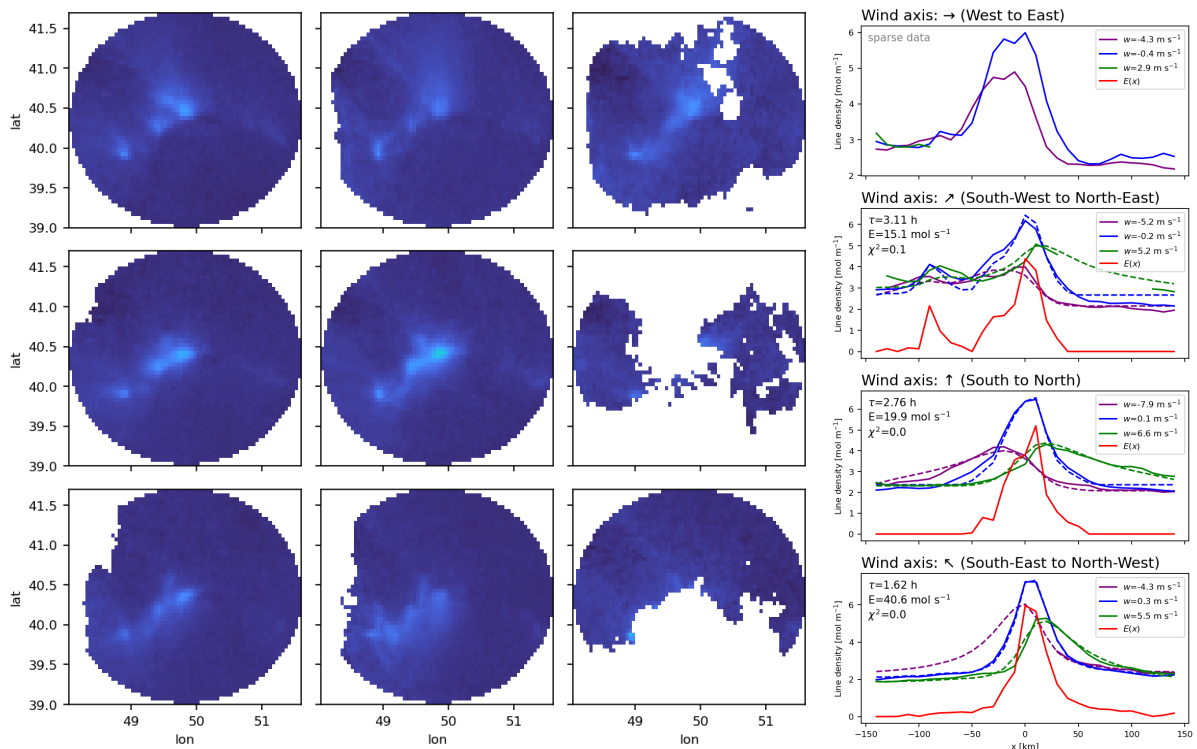
52.2 Spring



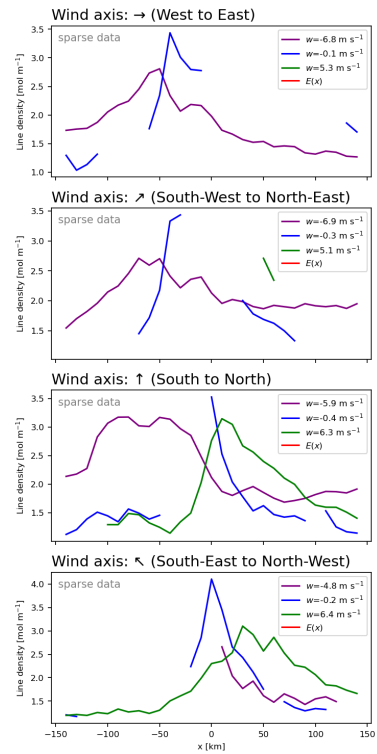
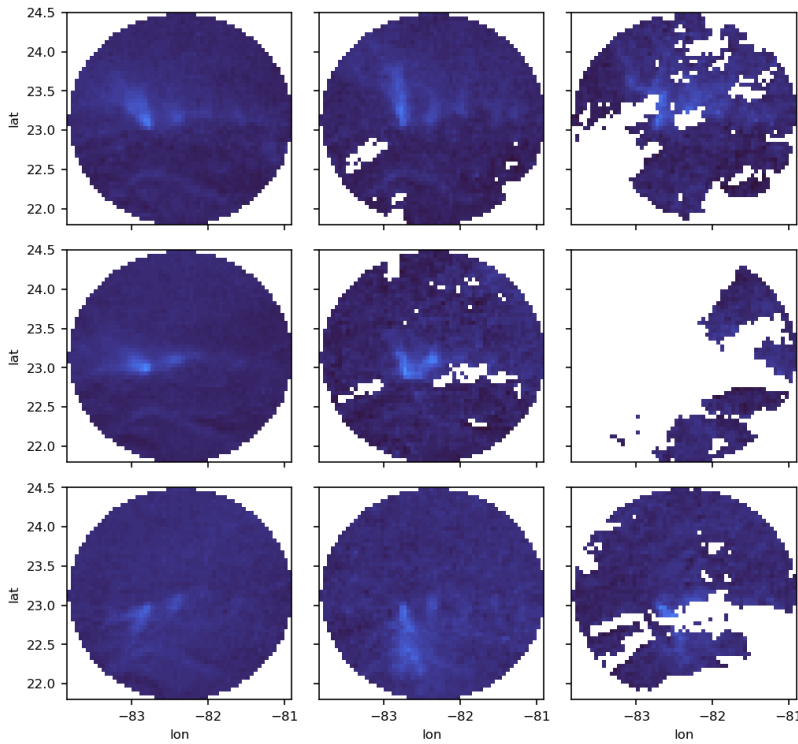
52.3 Summer



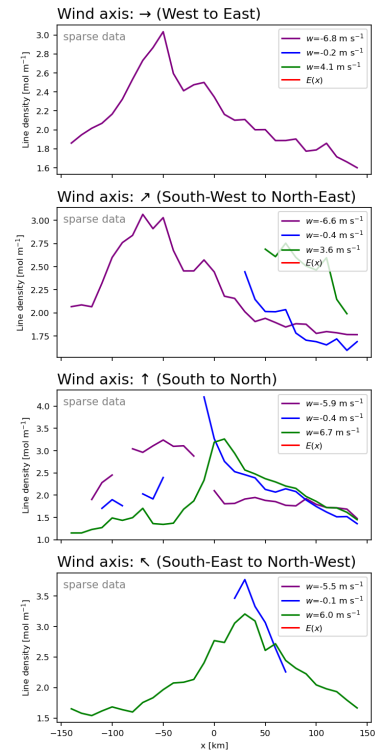
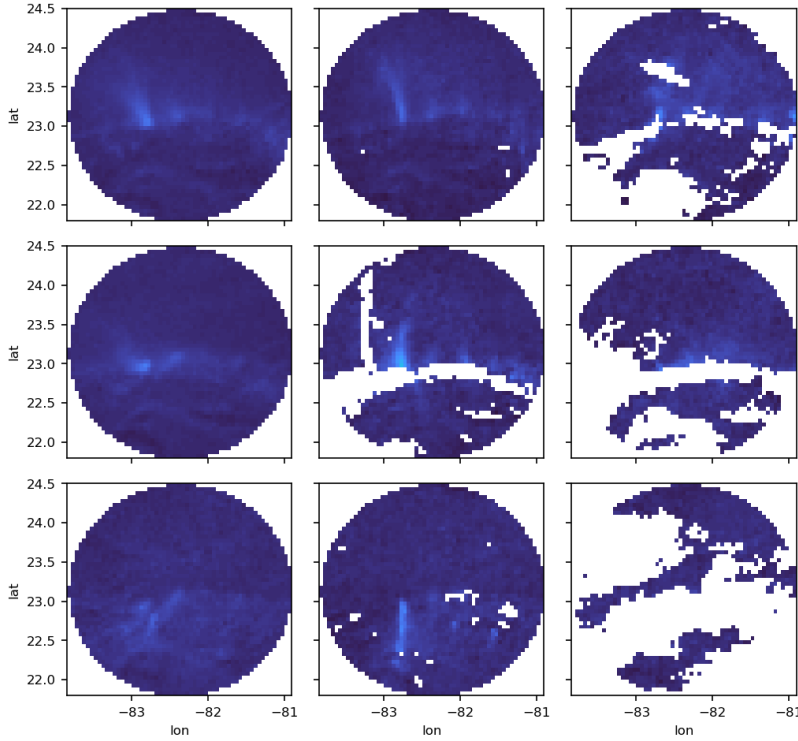
52.4 Autumn



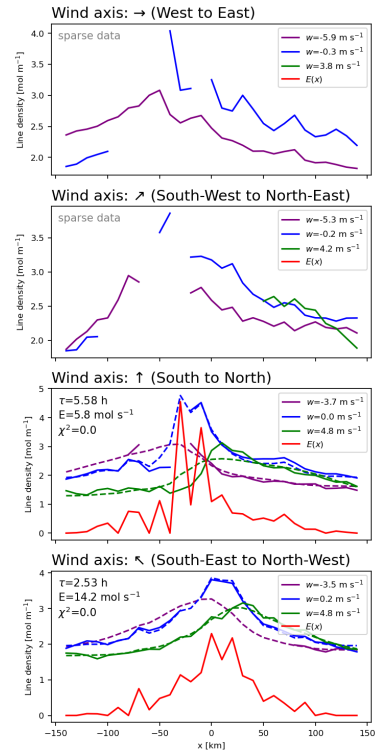
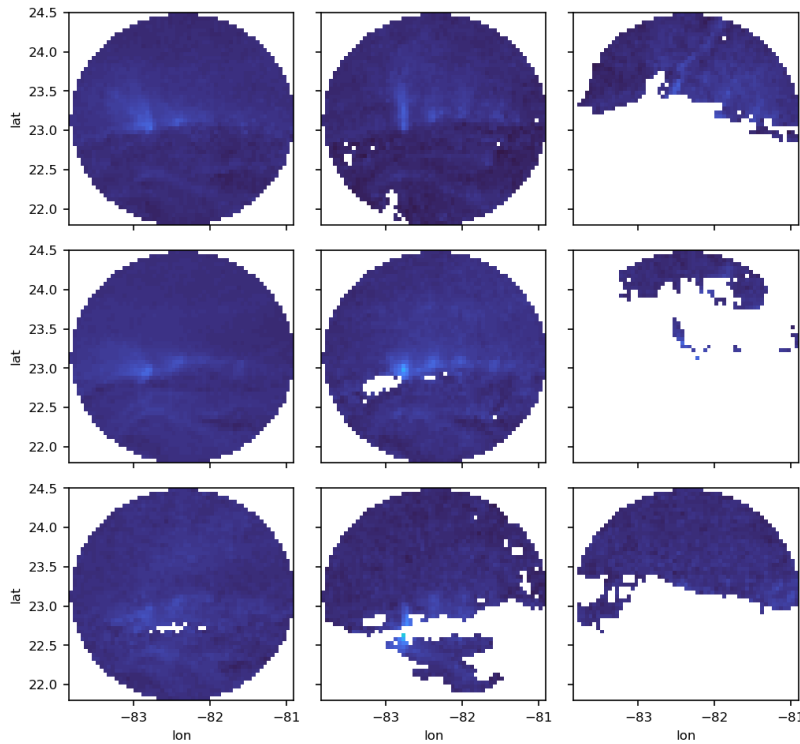
53.1 Winter



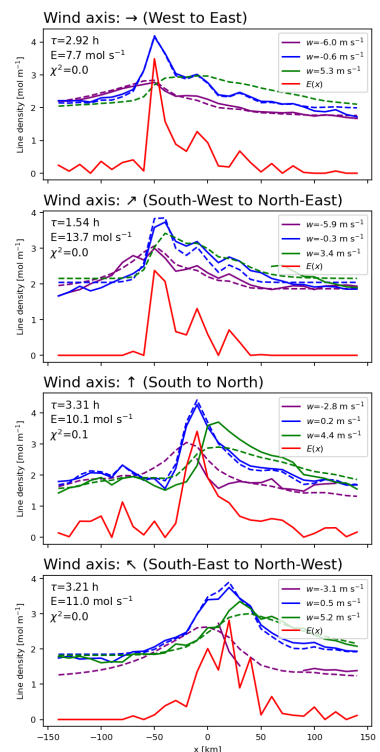
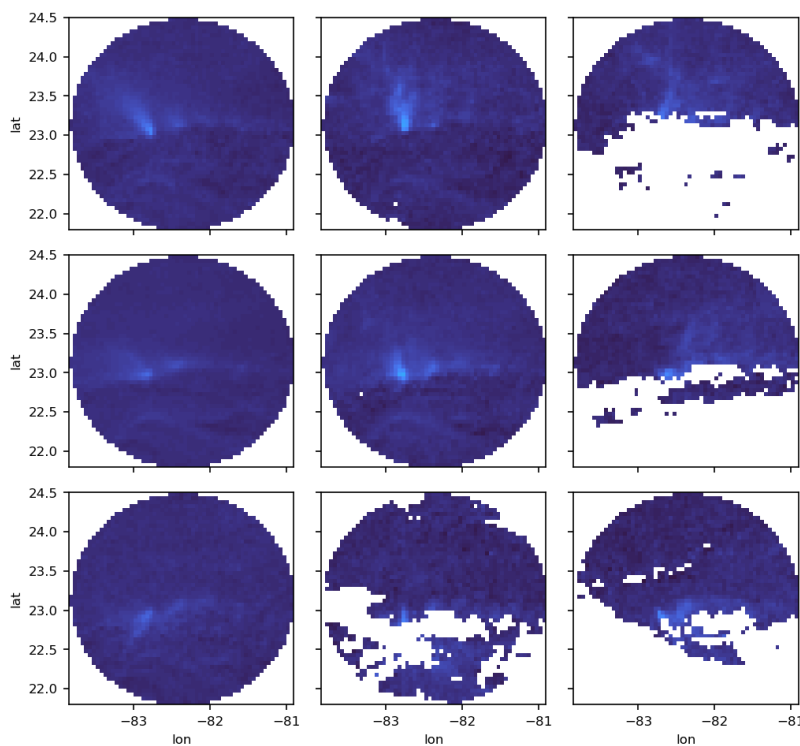
53.2 Spring



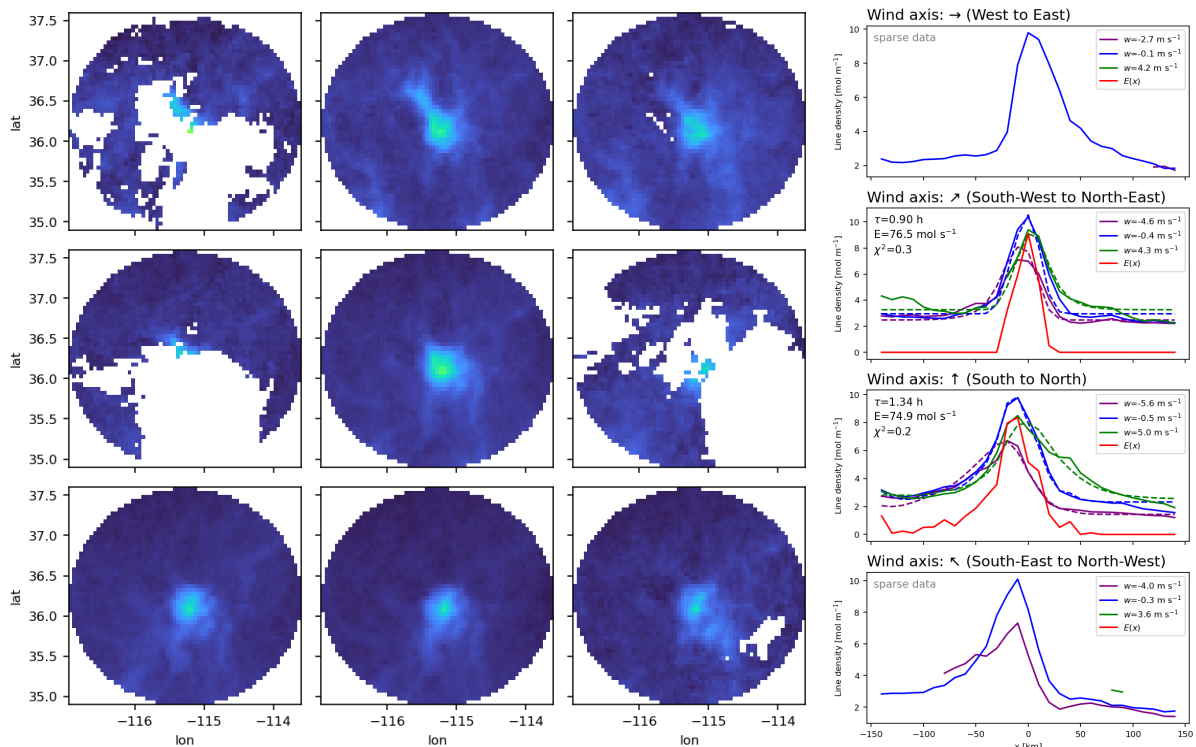
53.3 Summer



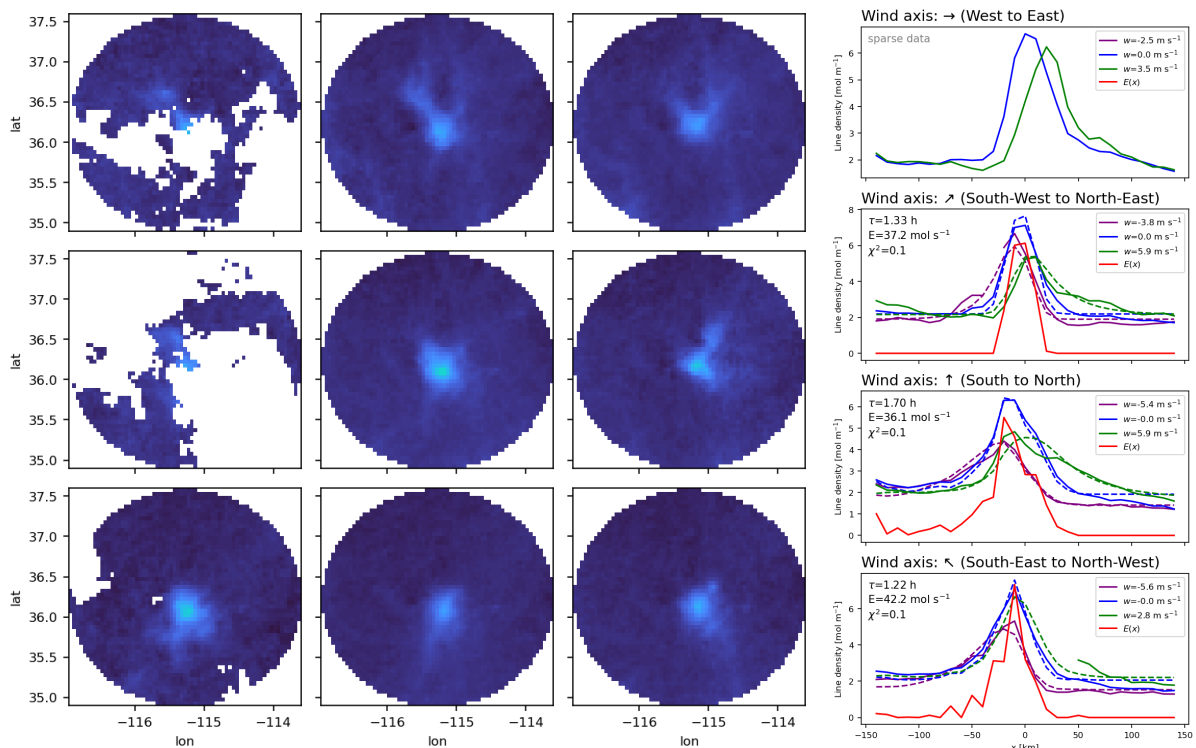
53.4 Autumn



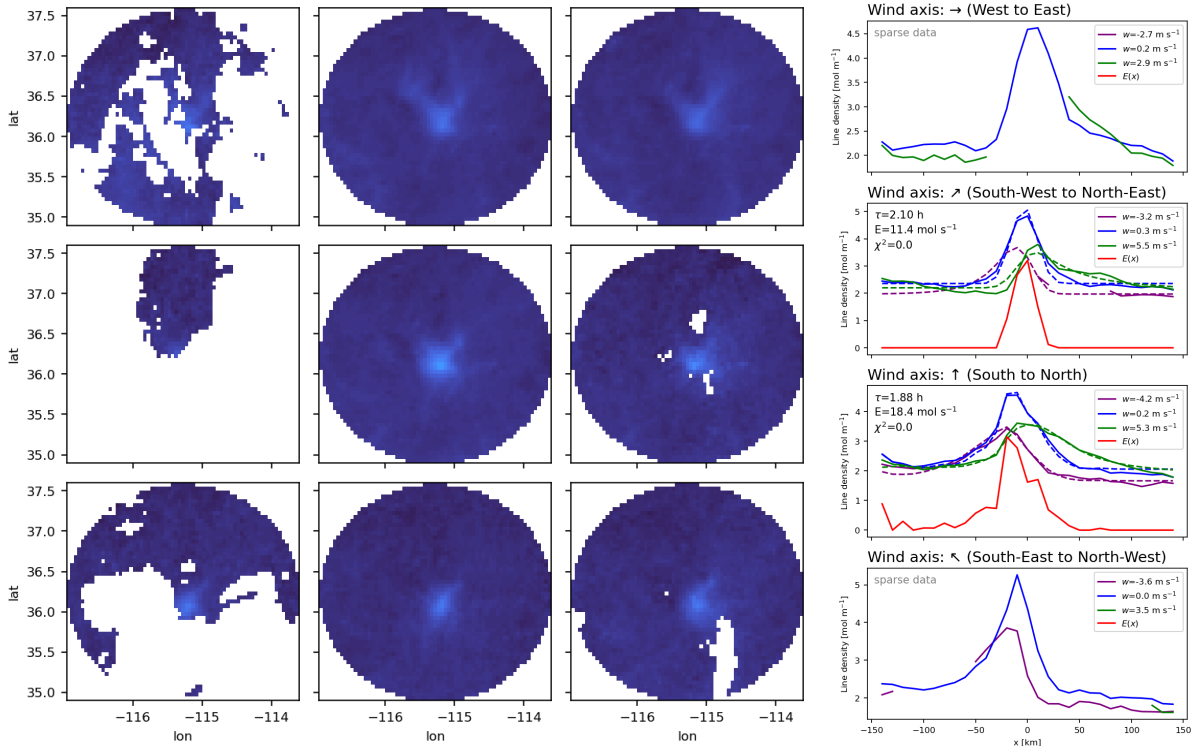
54.1 Winter



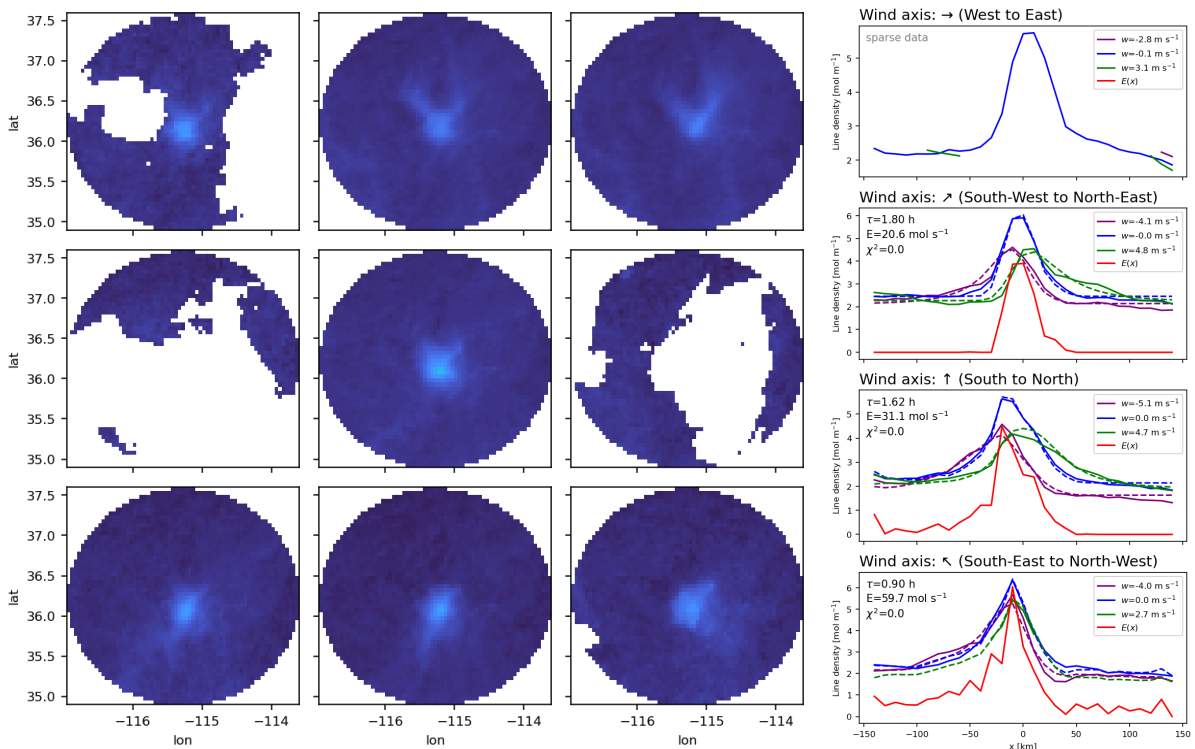
54.2 Spring



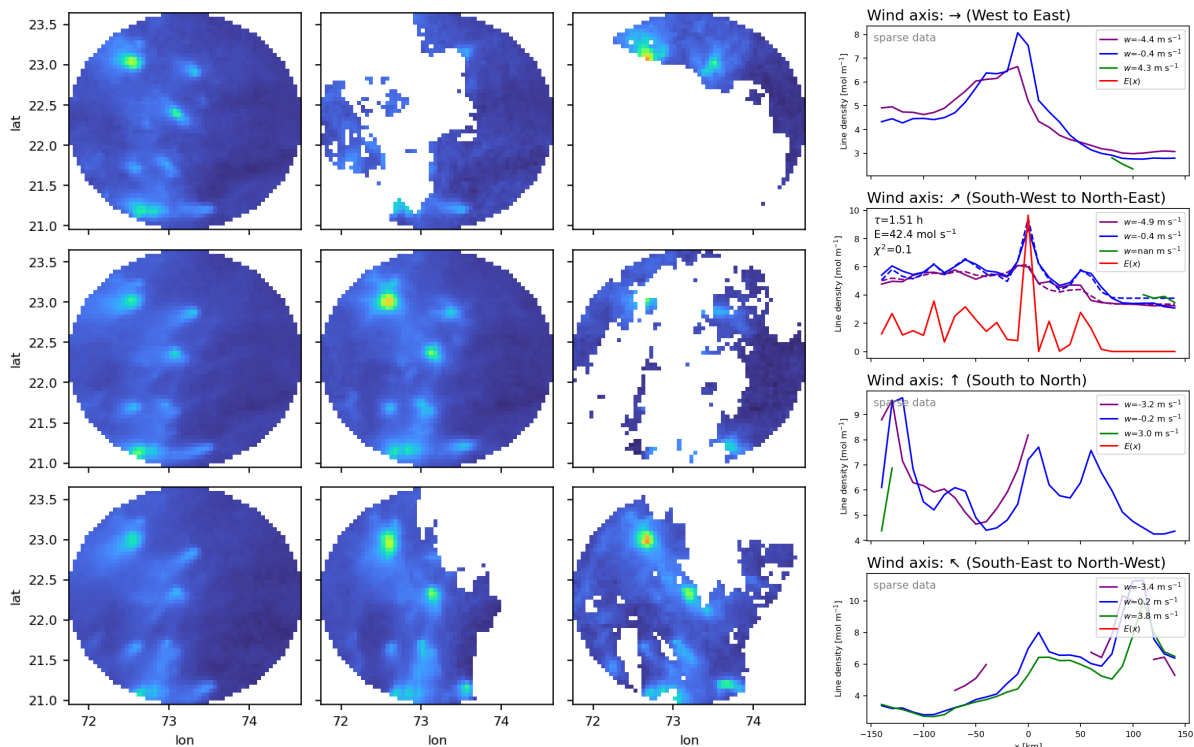
54.3 Summer



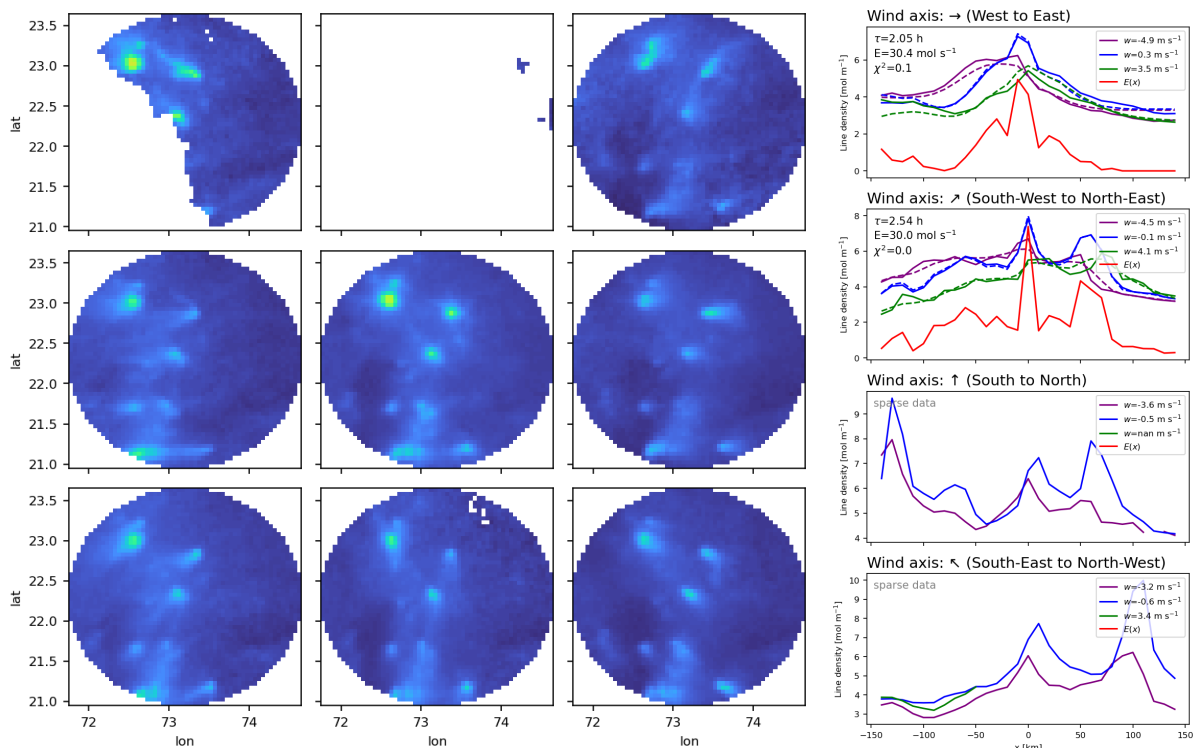
54.4 Autumn



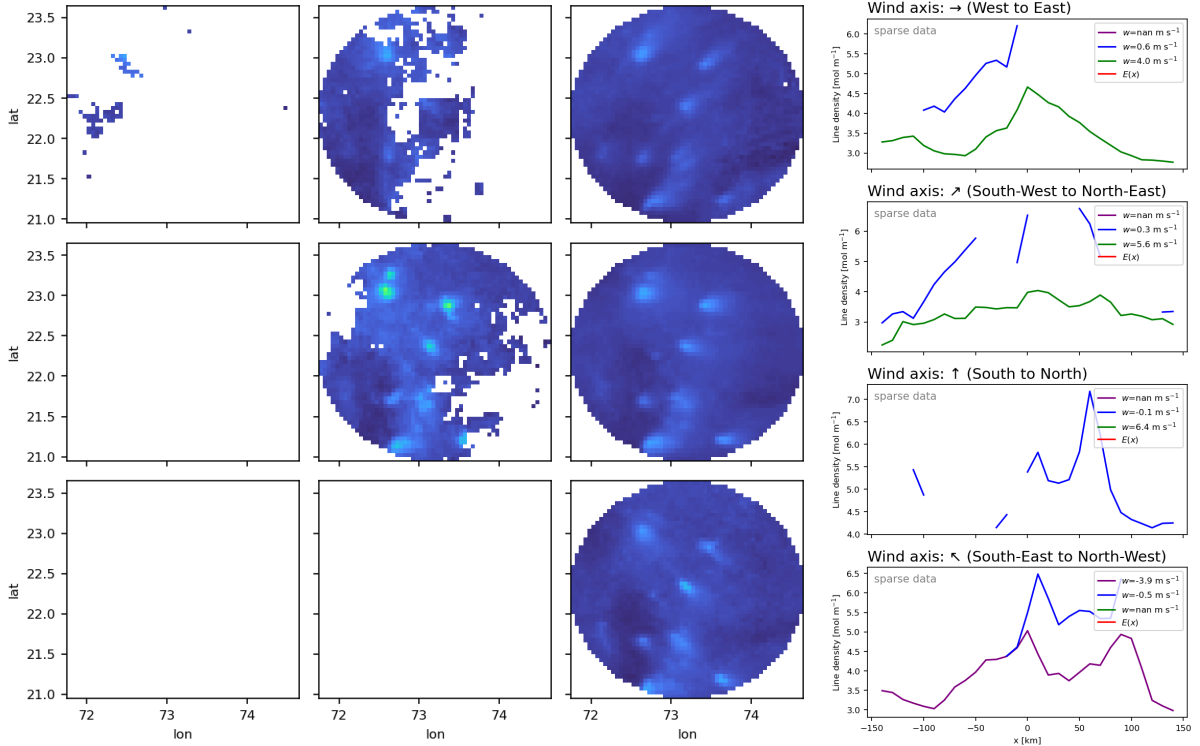
55.1 Winter



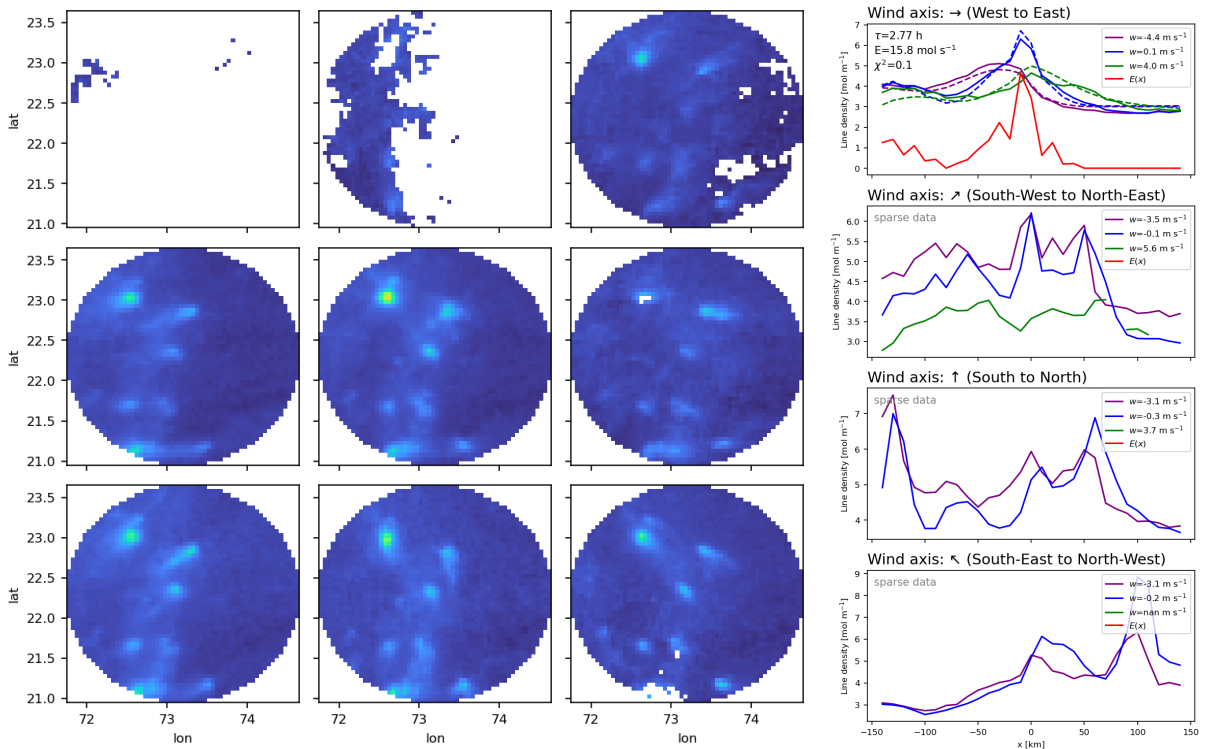
55.2 Spring



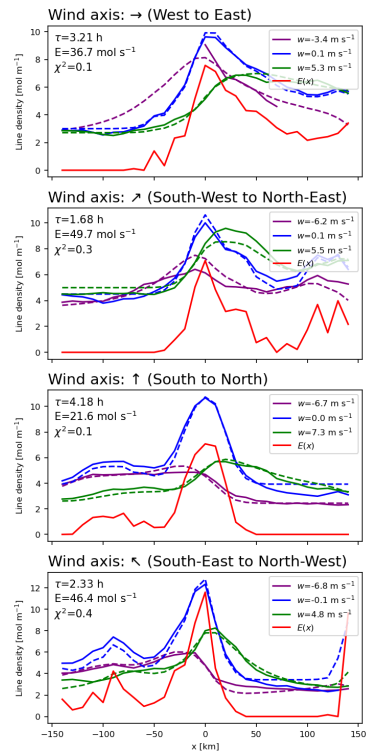
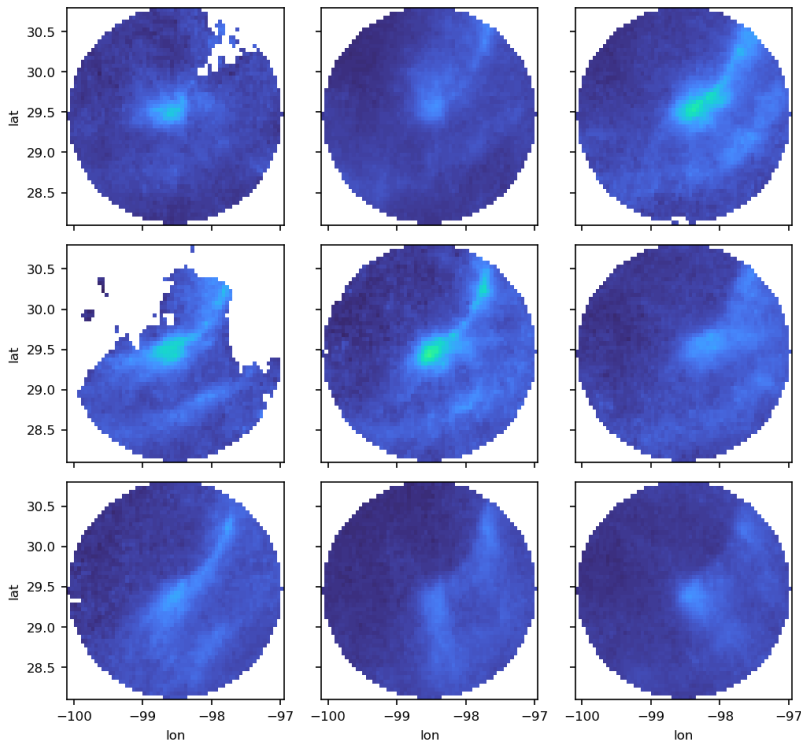
55.3 Summer



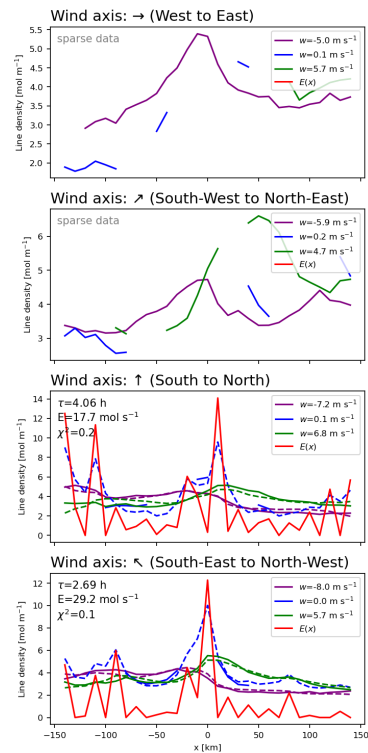
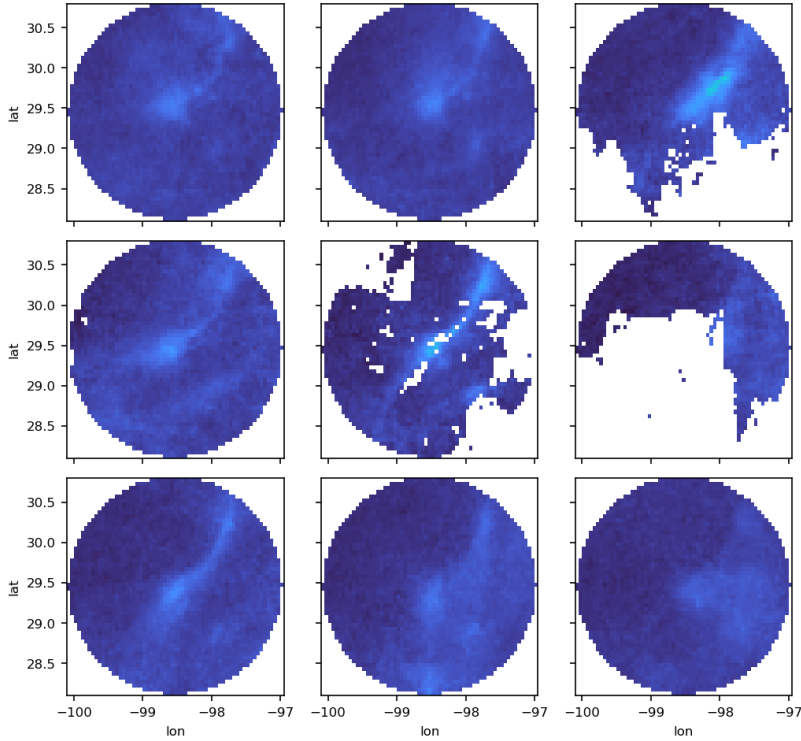
55.4 Autumn



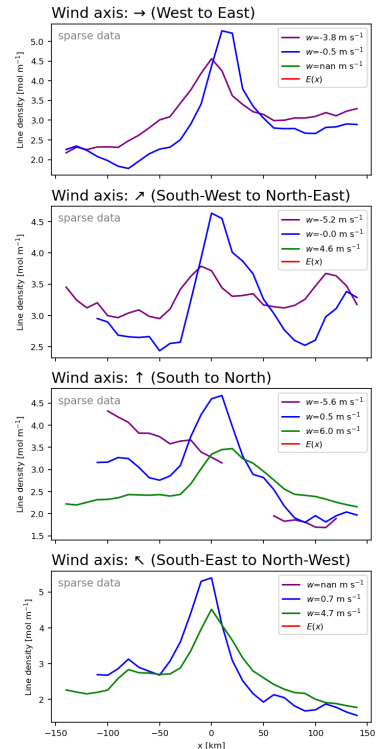
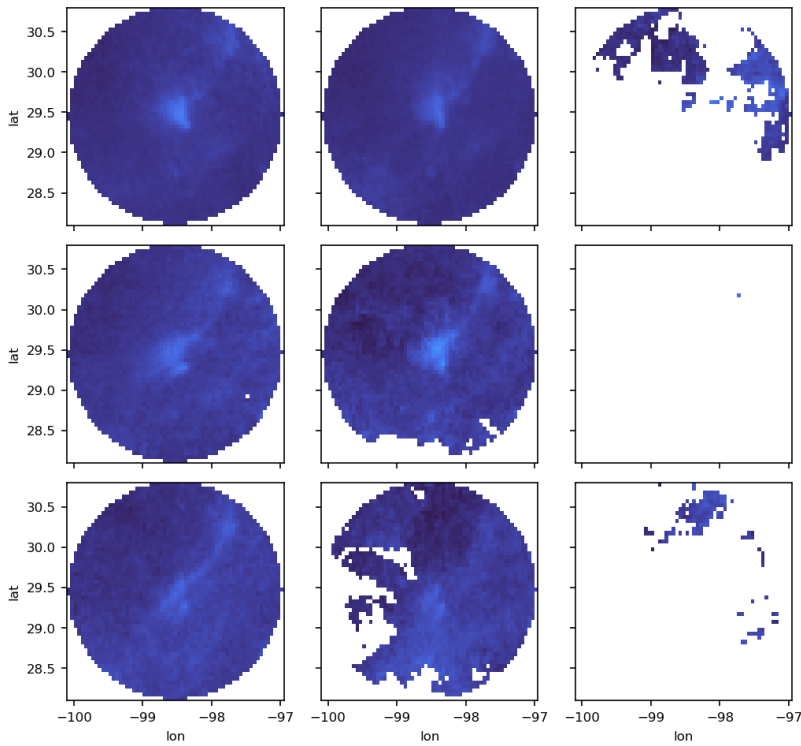
56.1 Winter



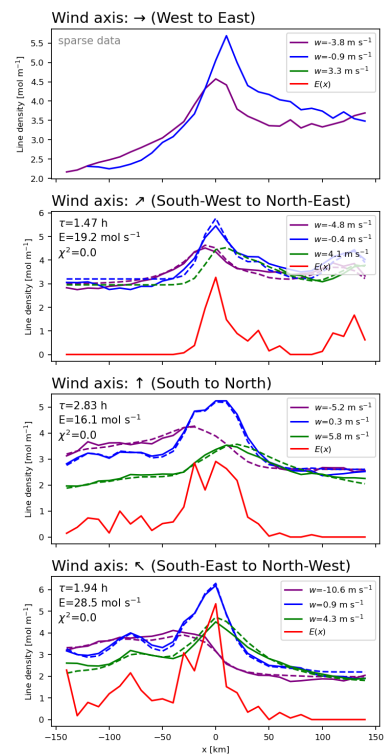
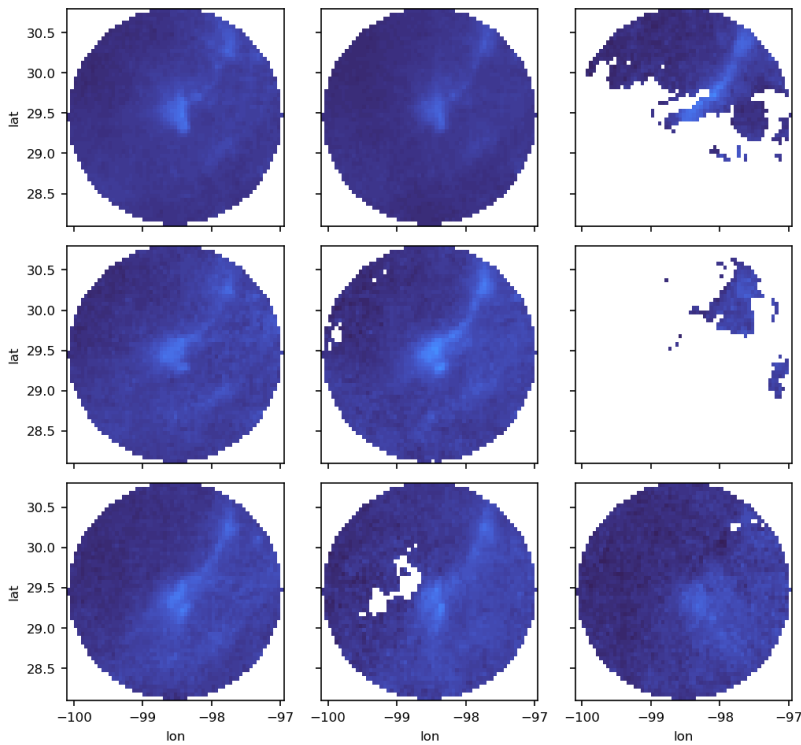
56.2 Spring



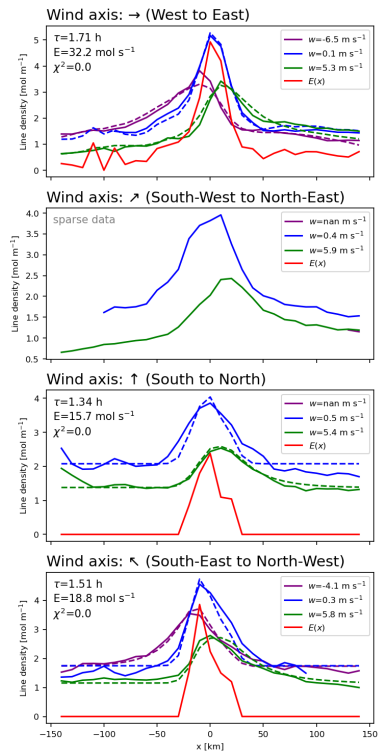
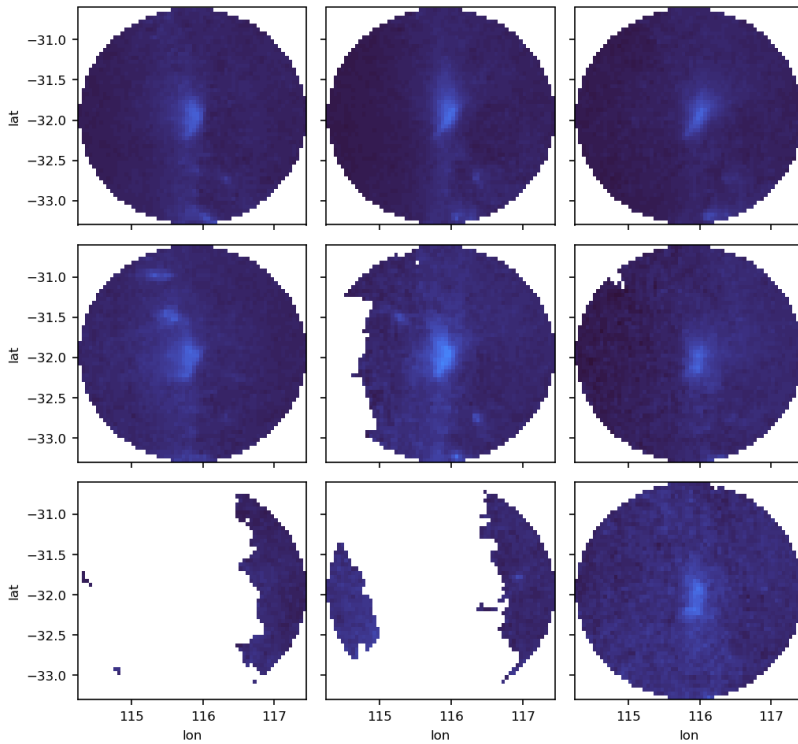
56.3 Summer



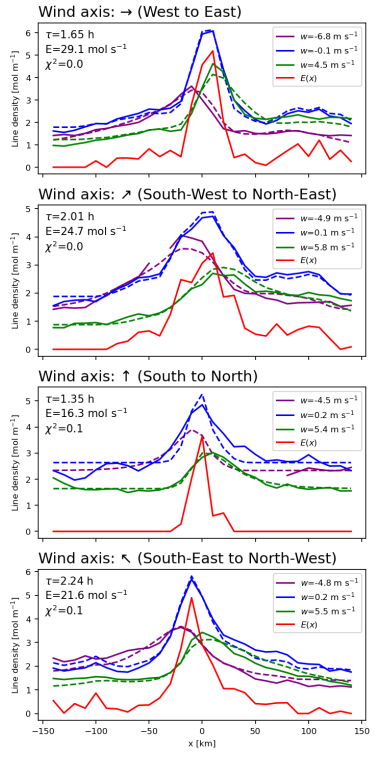
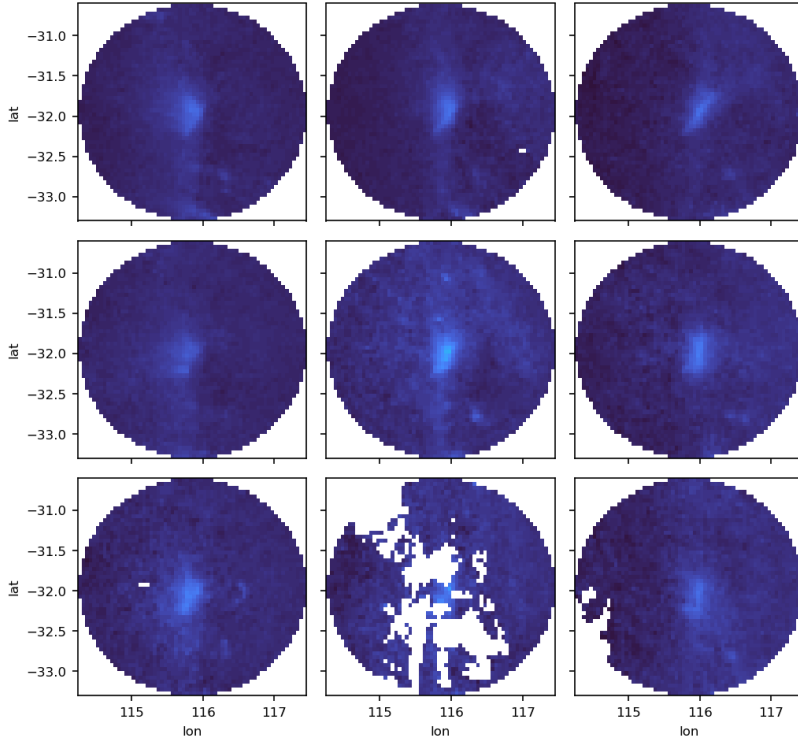
56.4 Autumn



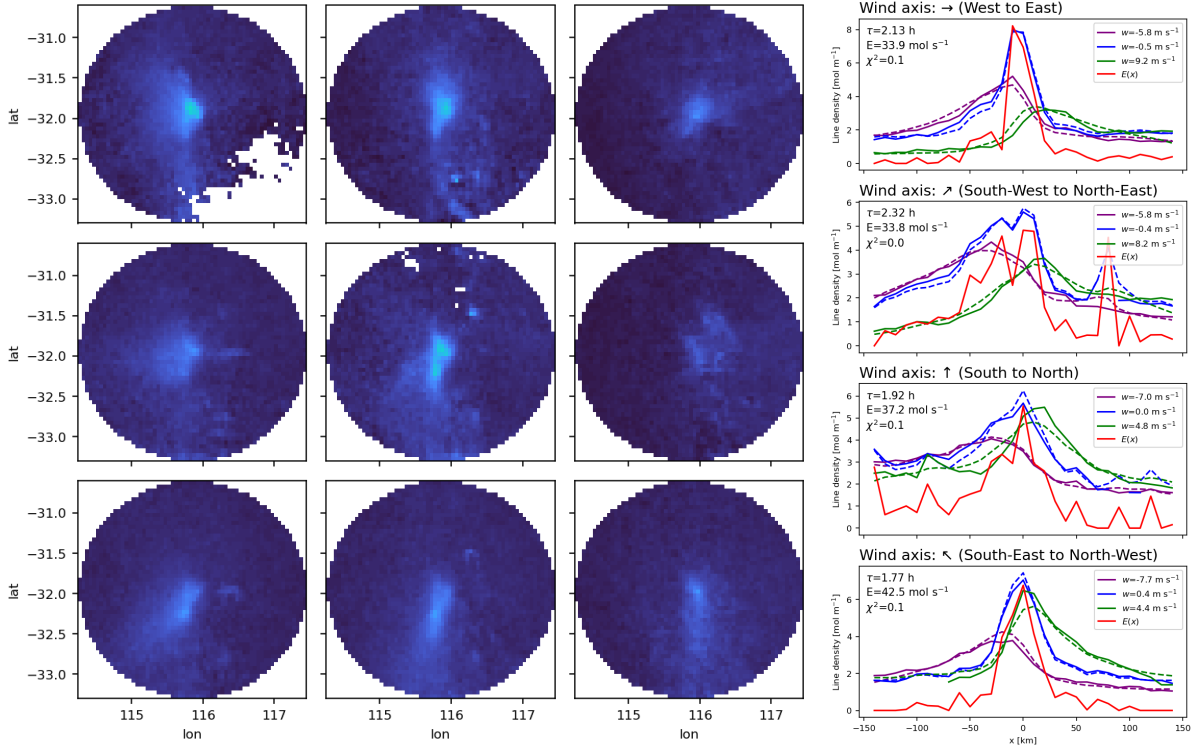
57.1 Winter



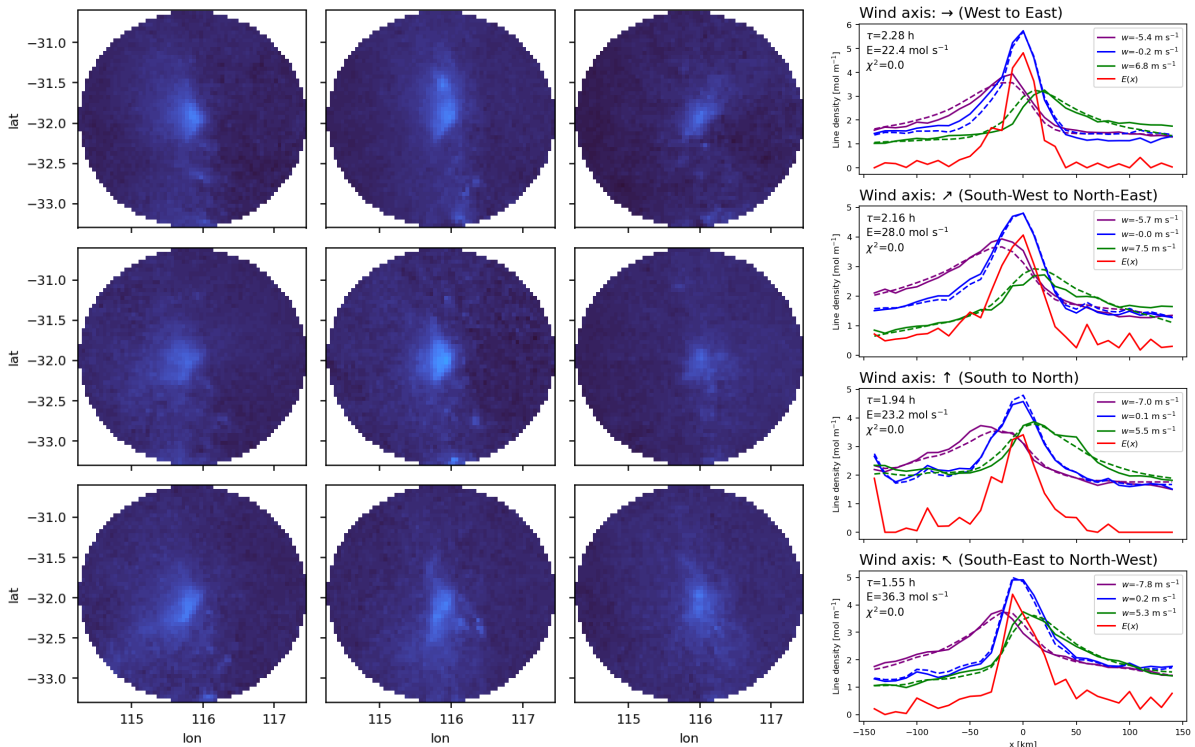
57.2 Spring



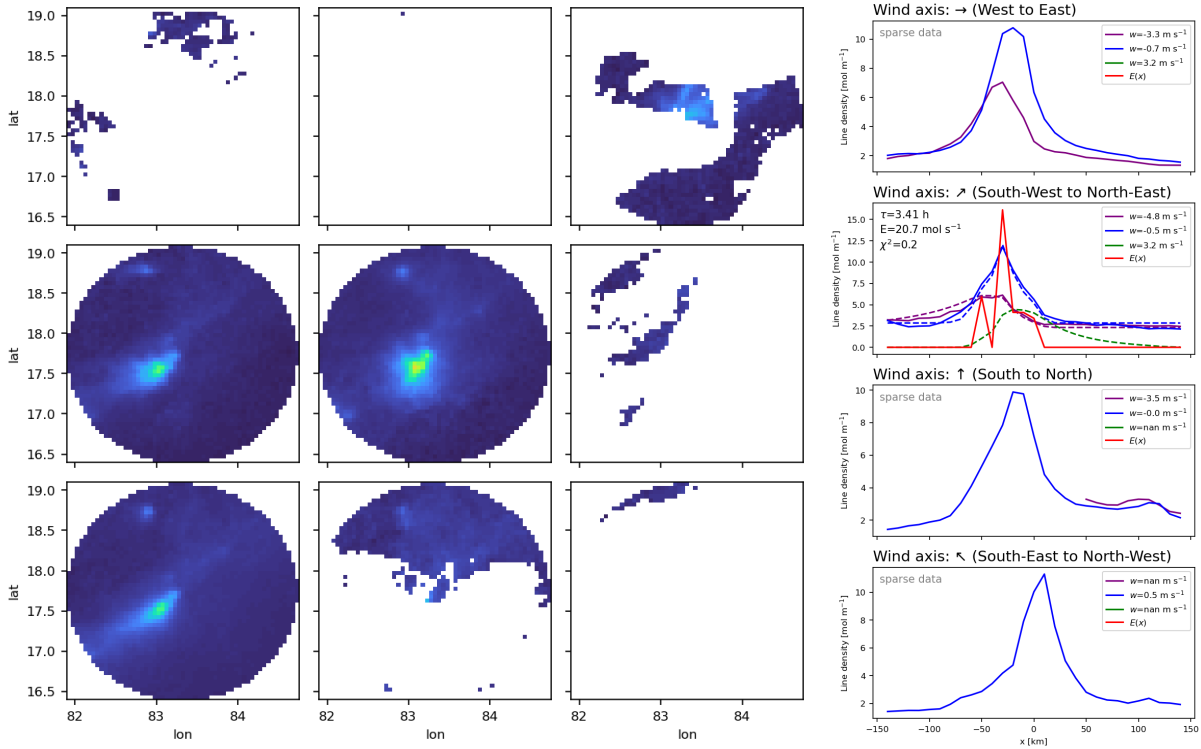
57.3 Summer



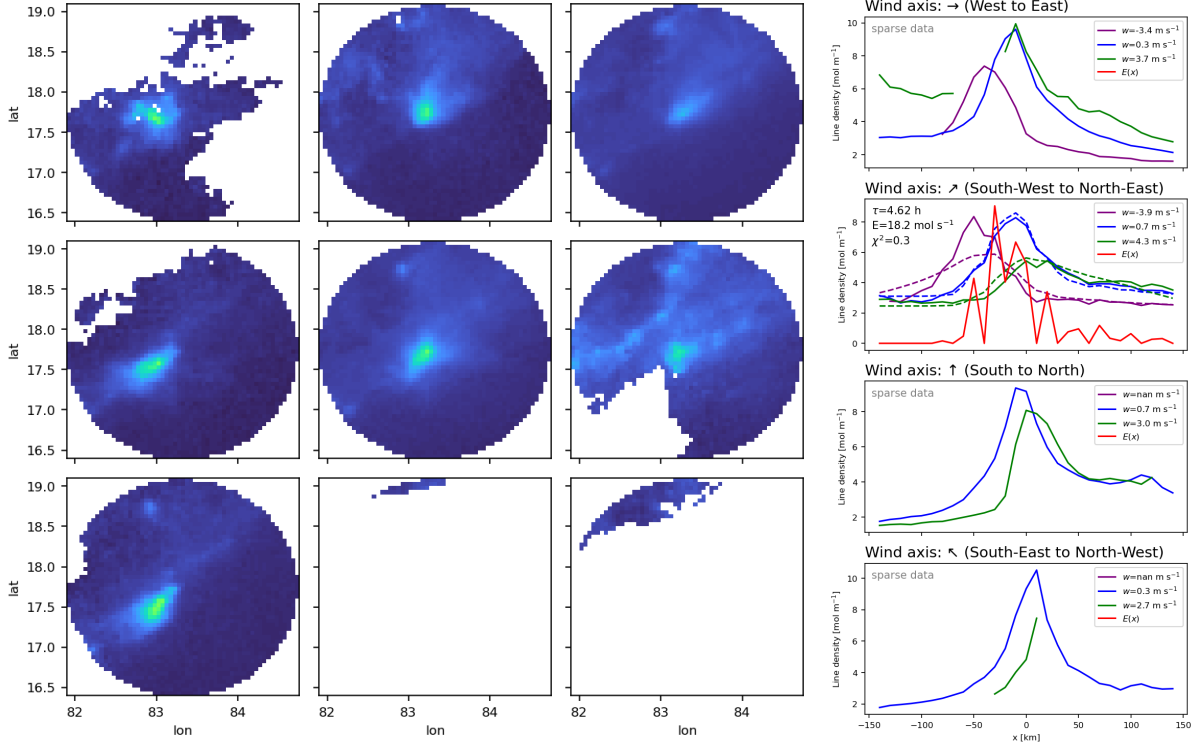
57.4 Autumn



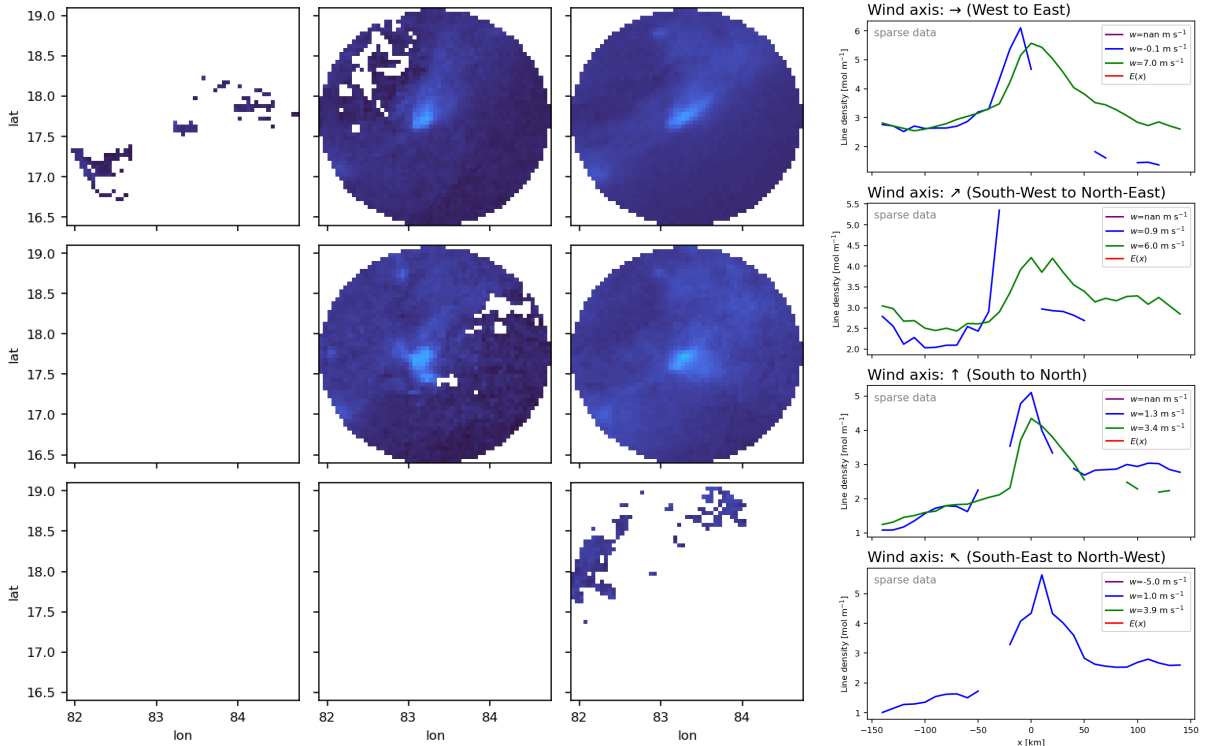
58.1 Winter



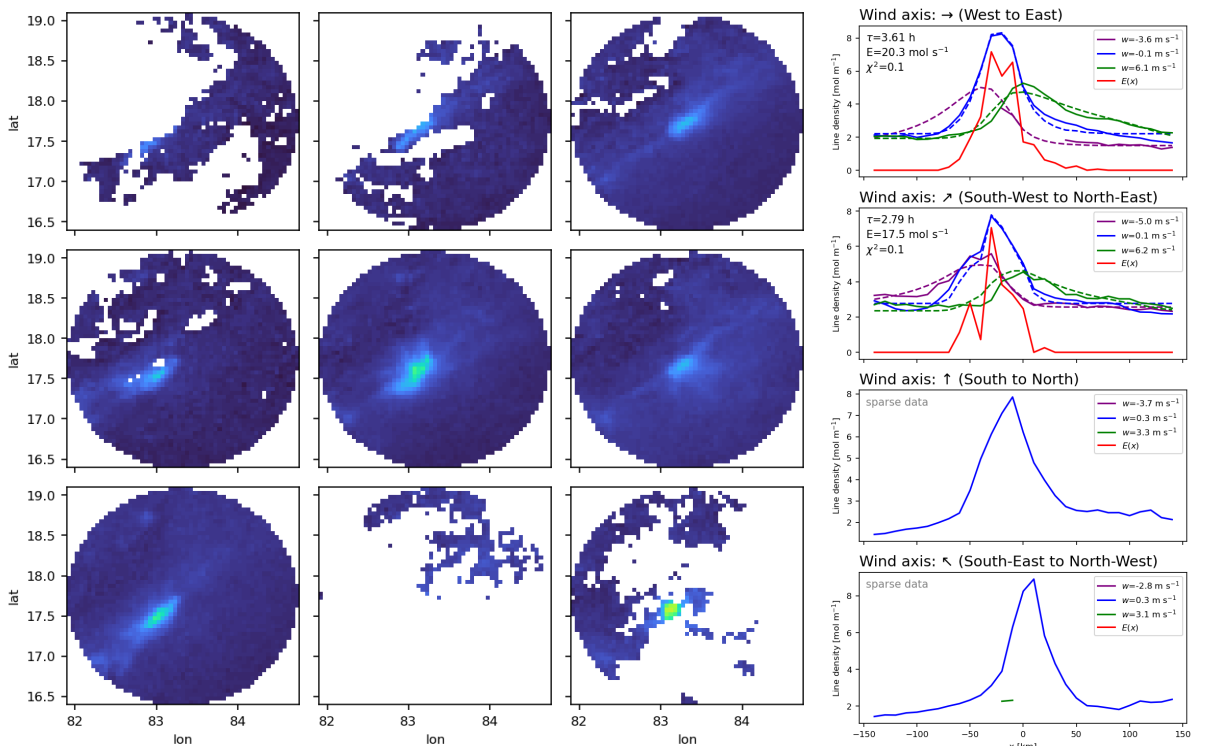
58.2 Spring



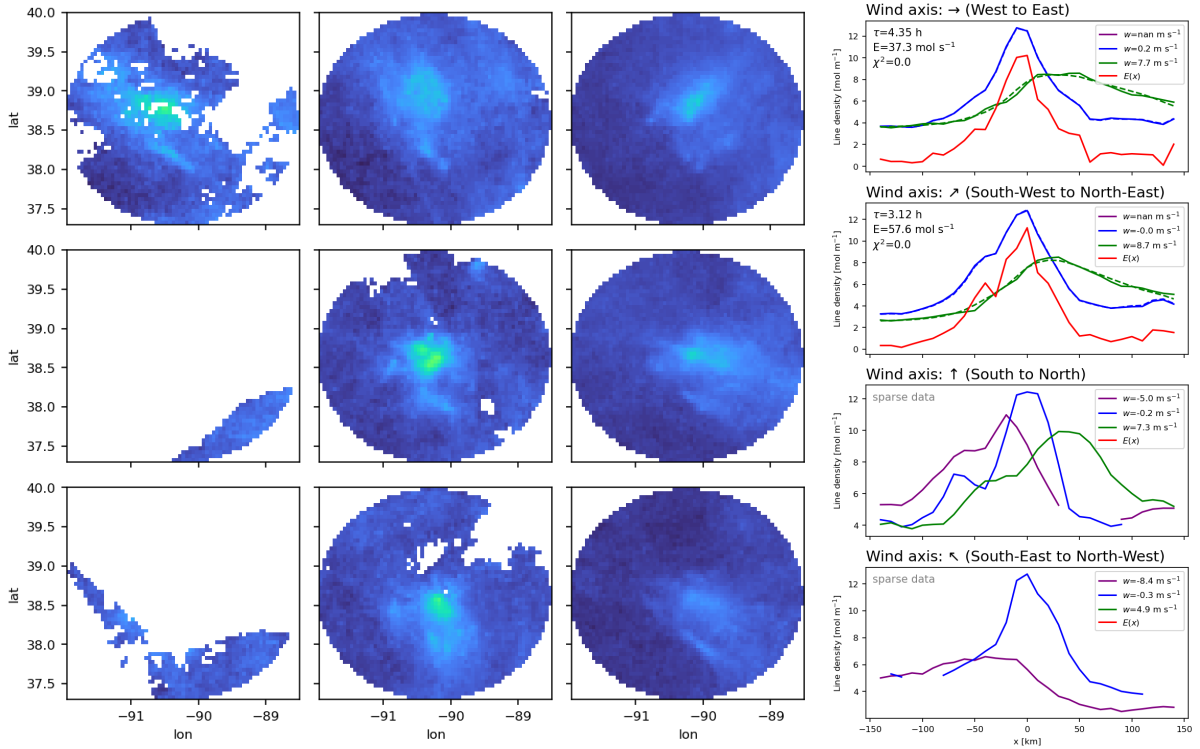
58.3 Summer



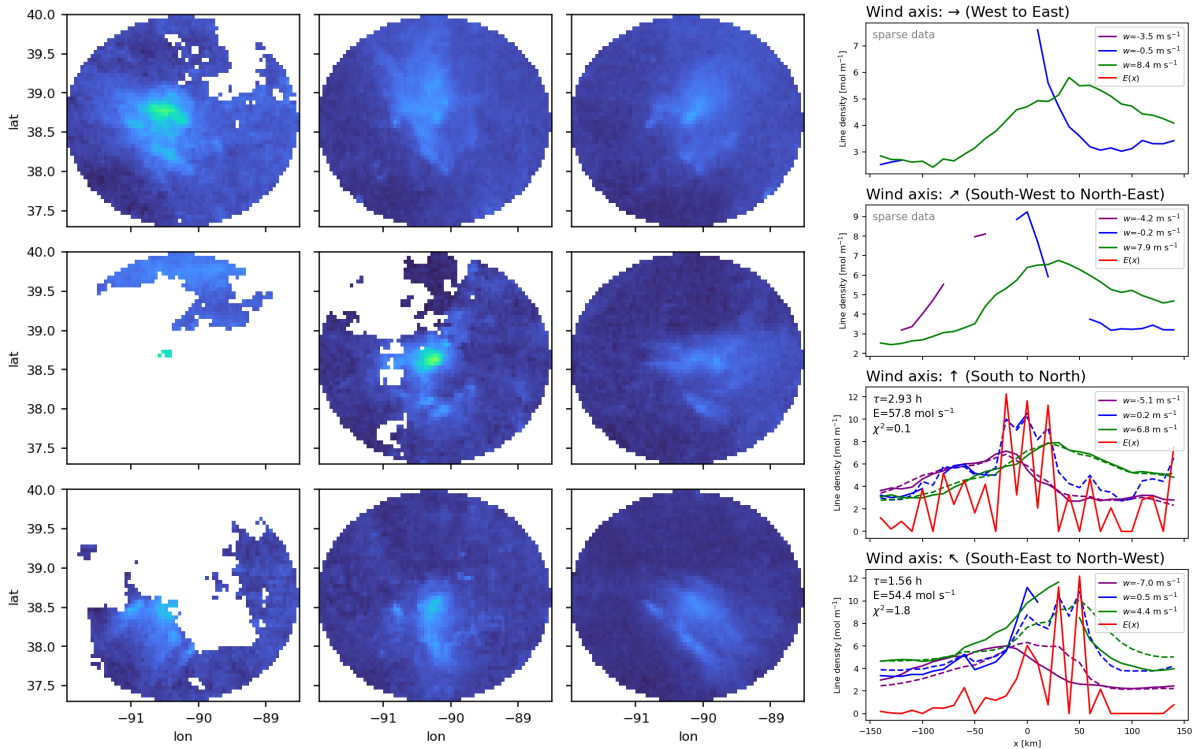
58.4 Autumn



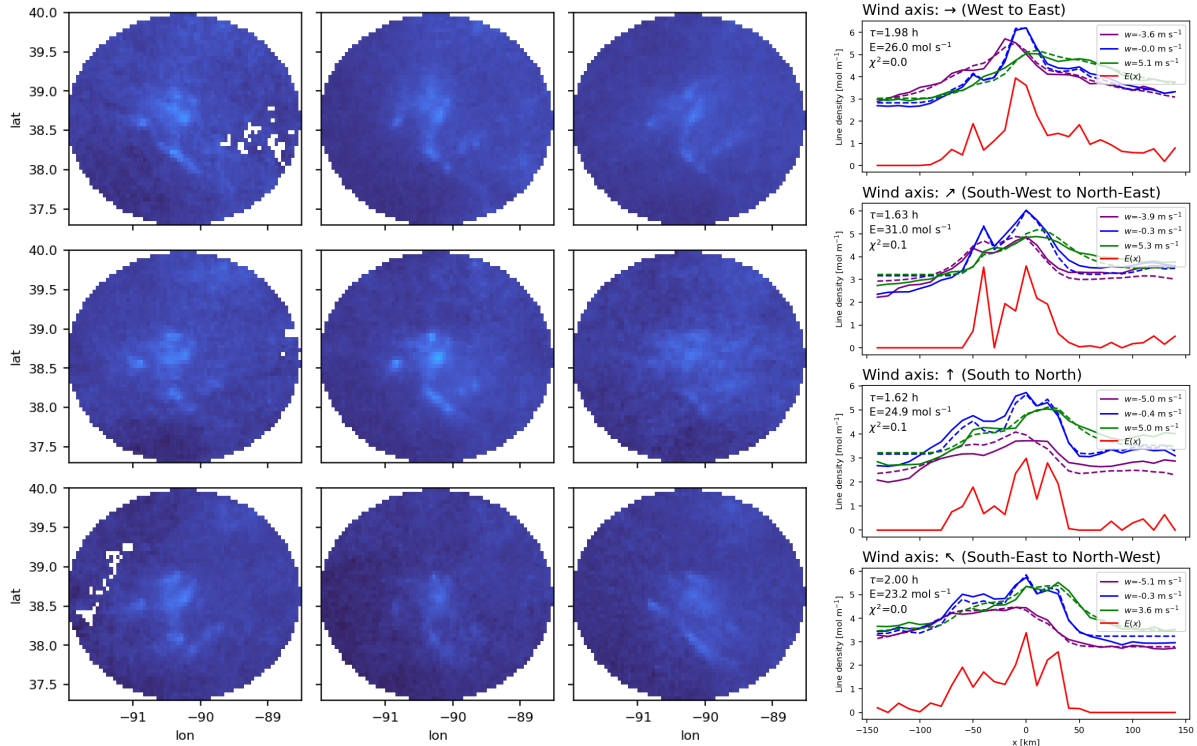
59.1 Winter



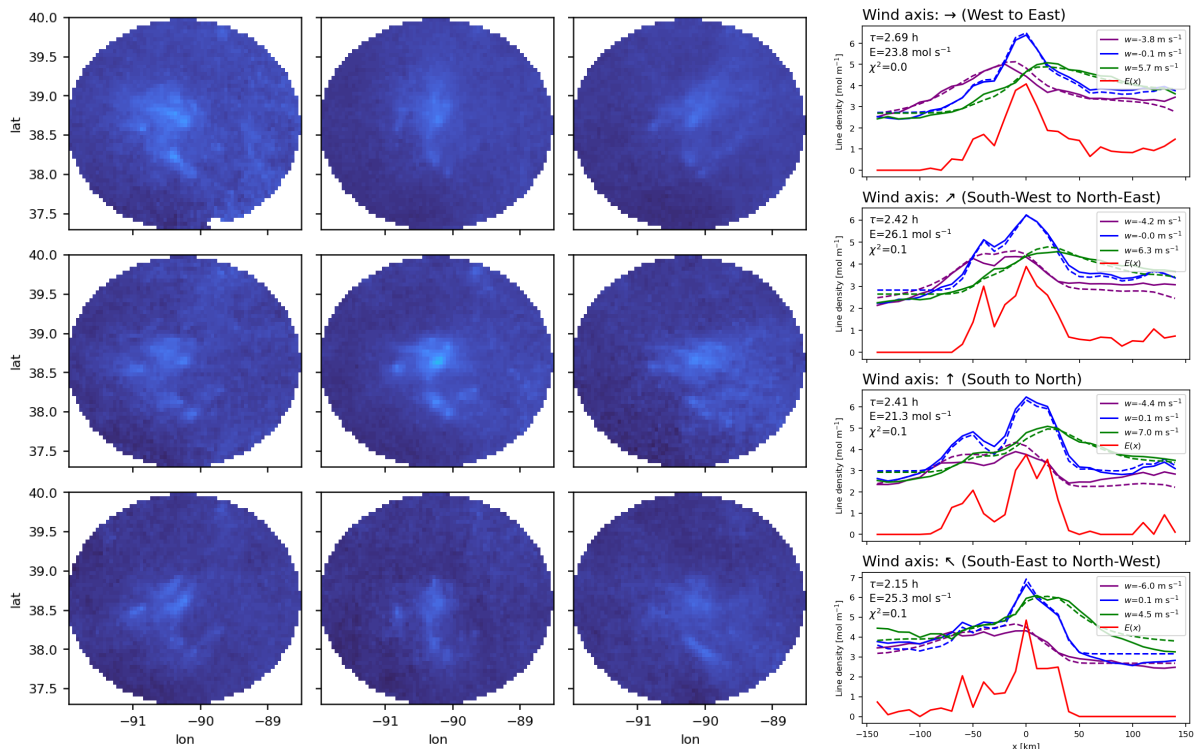
59.2 Spring



59.3 Summer

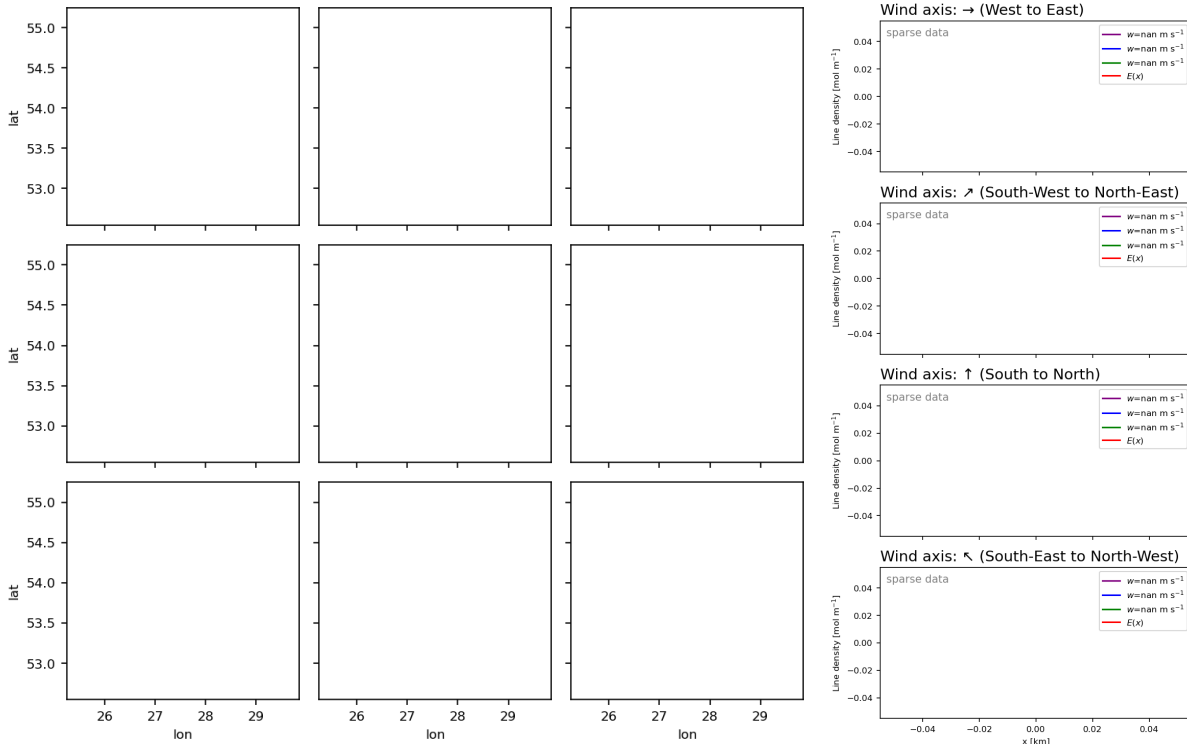


59.4 Autumn

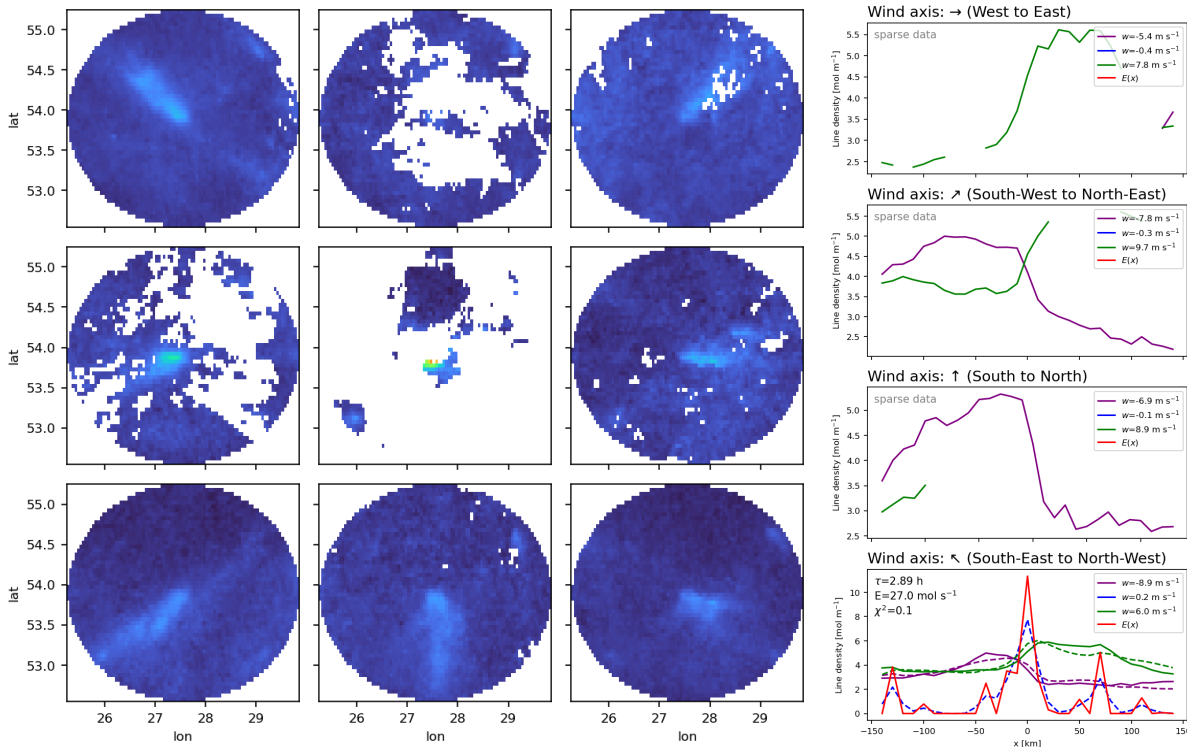


60 Minsk

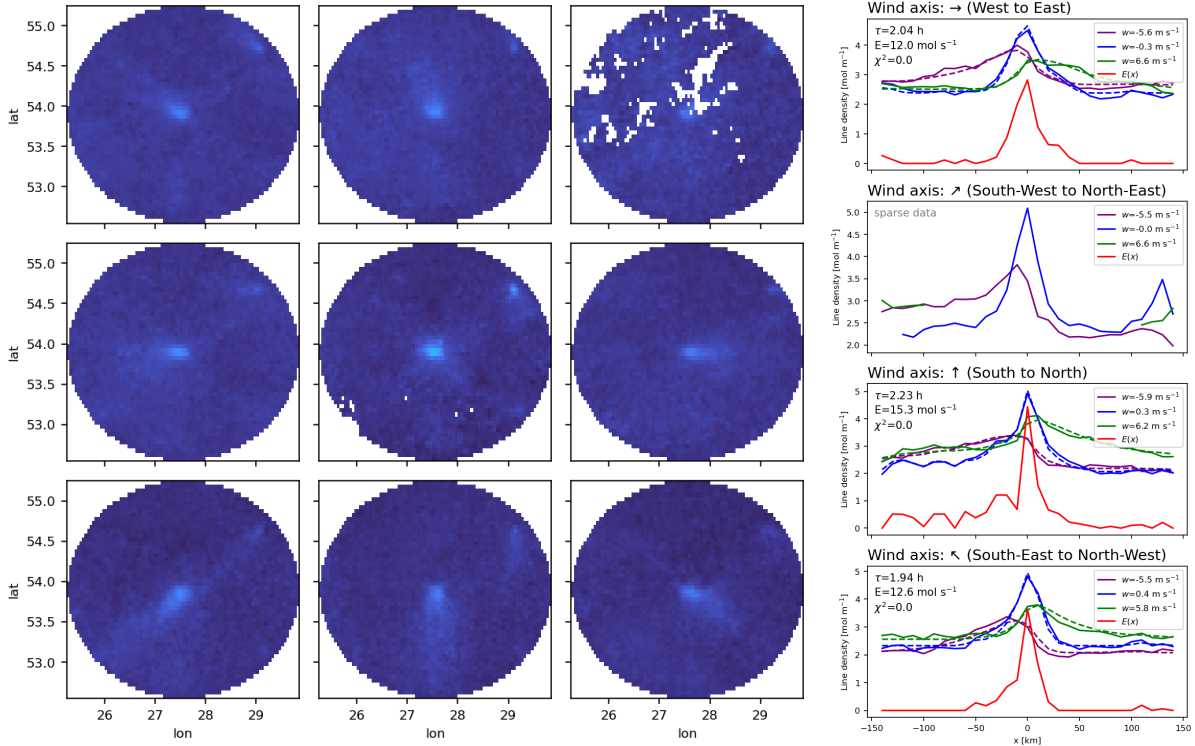
60.1 Winter



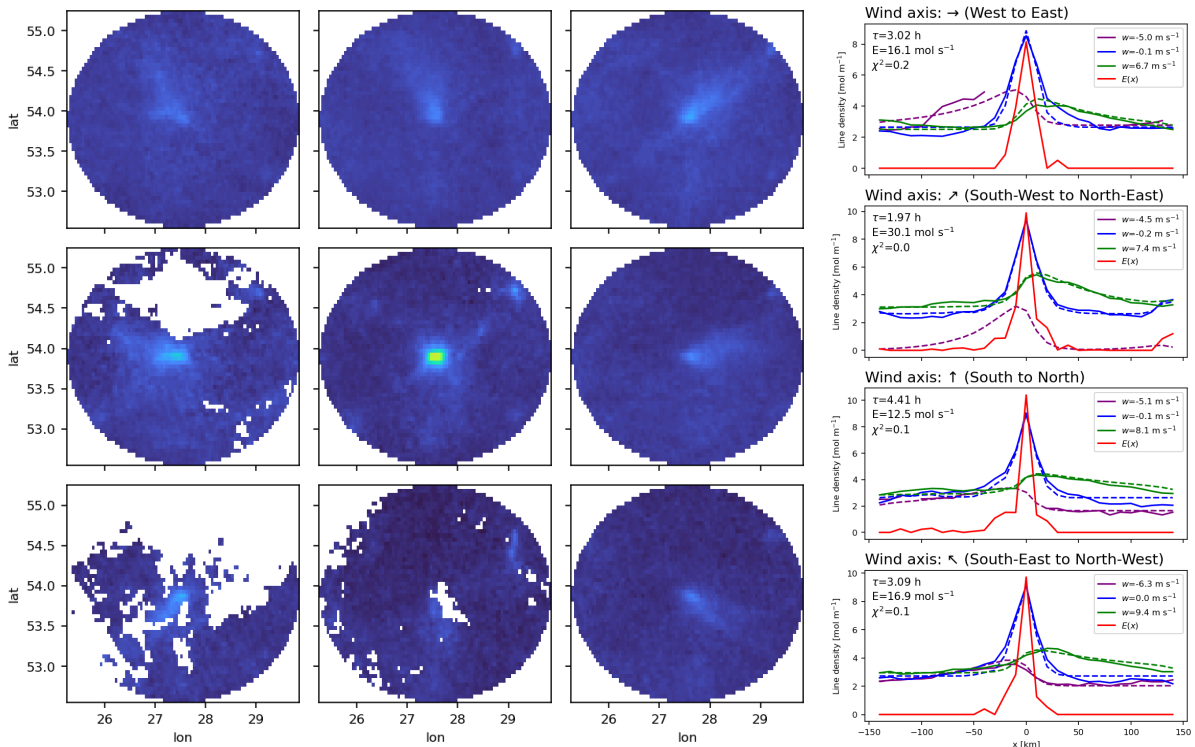
60.2 Spring



60.3 Summer

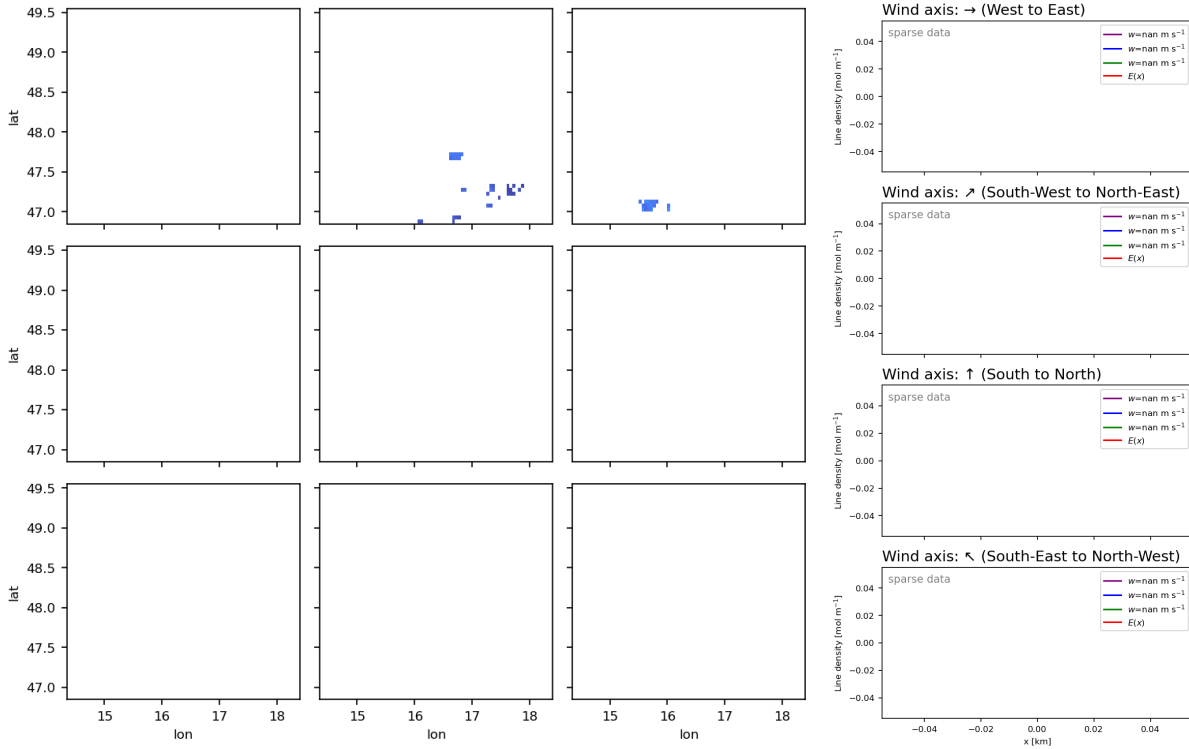


60.4 Autumn

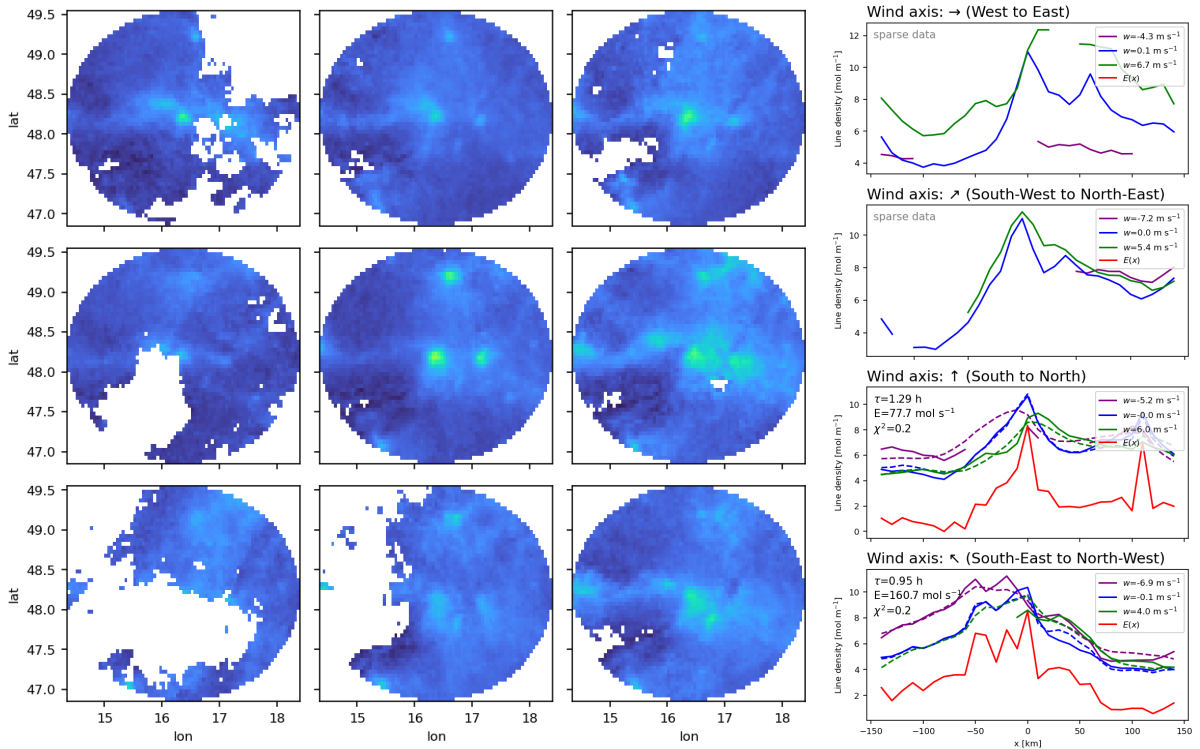


61 Vienna

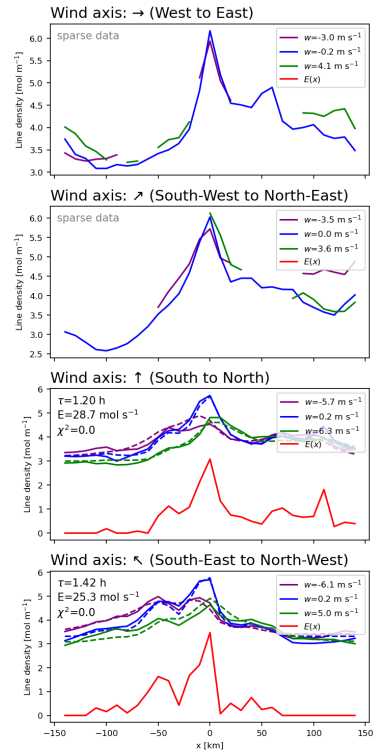
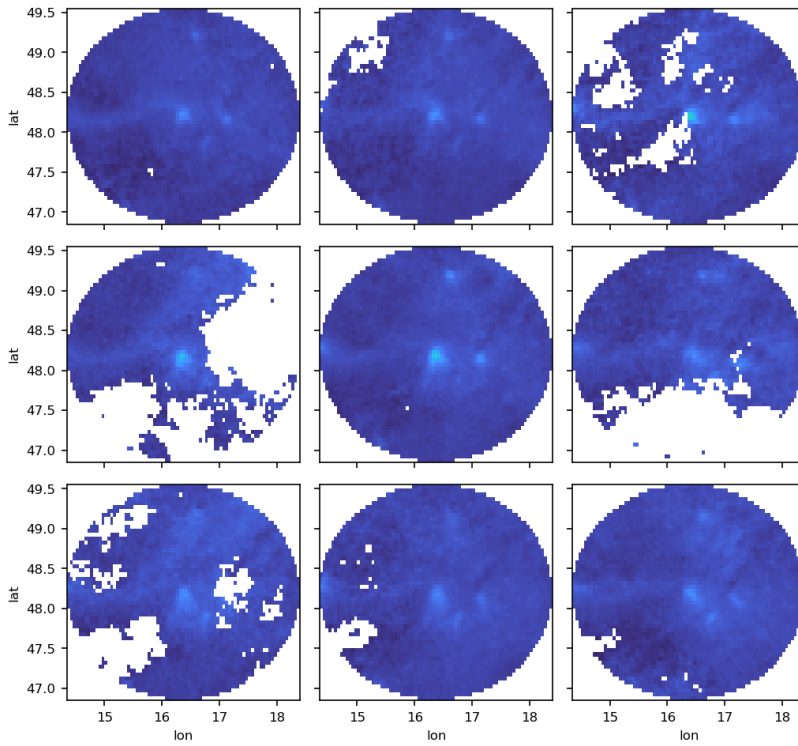
61.1 Winter



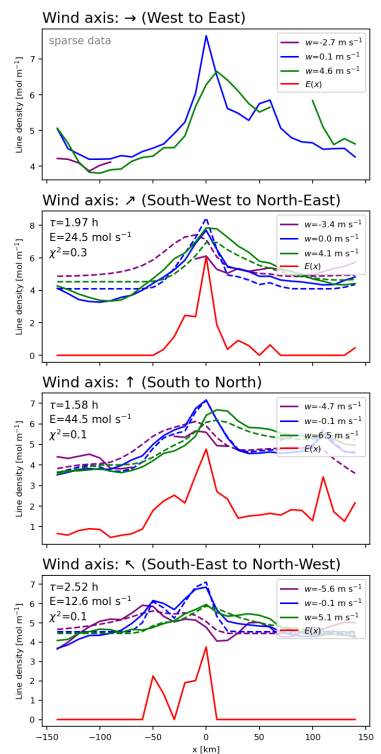
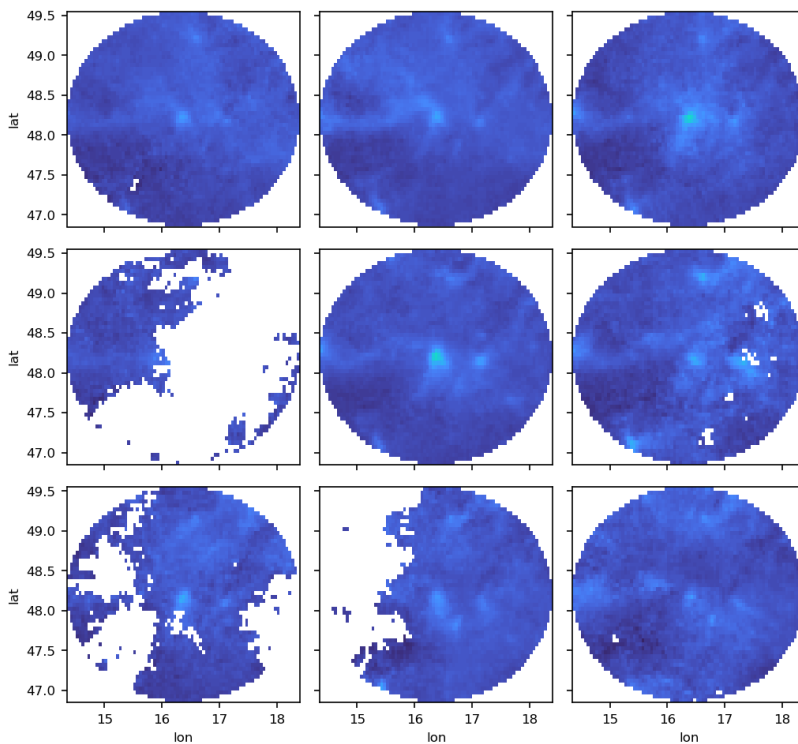
61.2 Spring



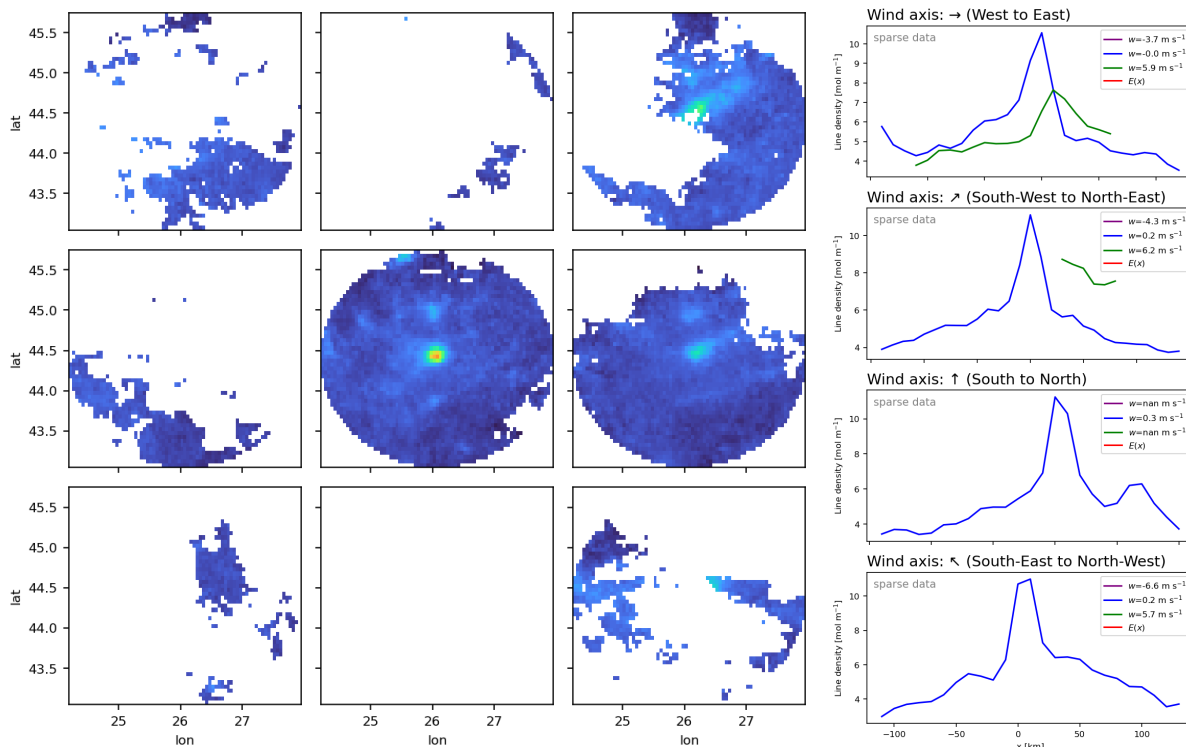
61.3 Summer



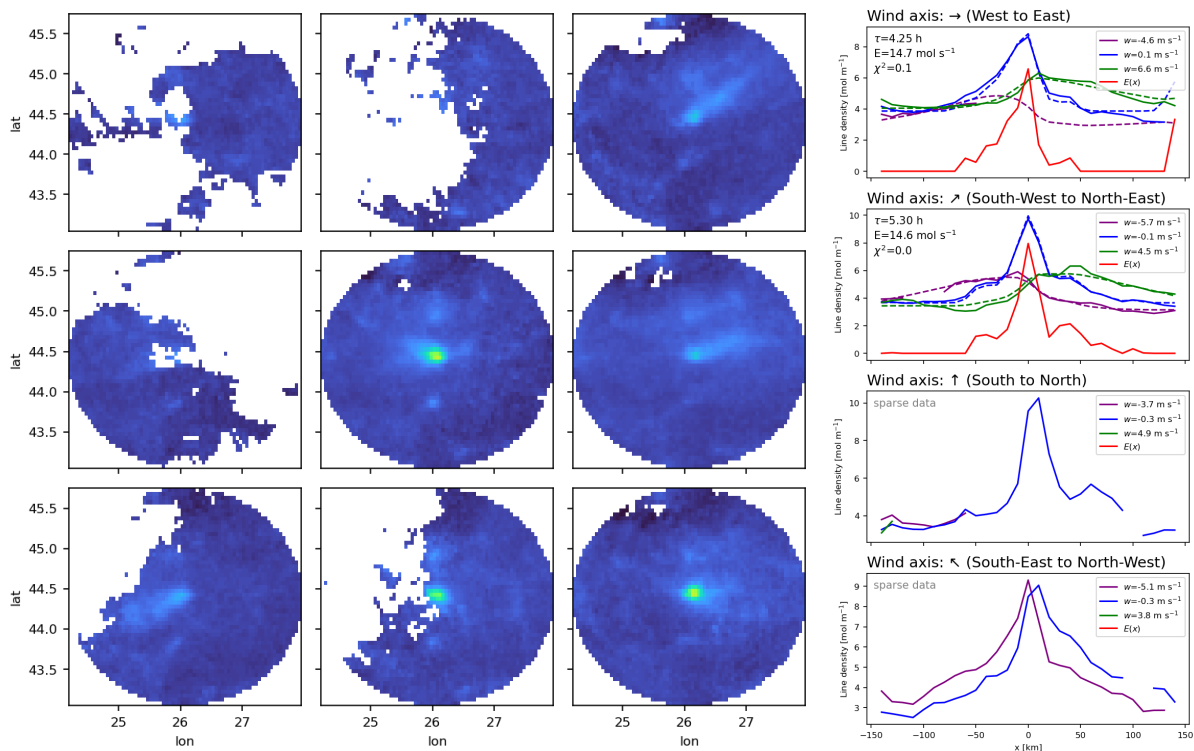
61.4 Autumn



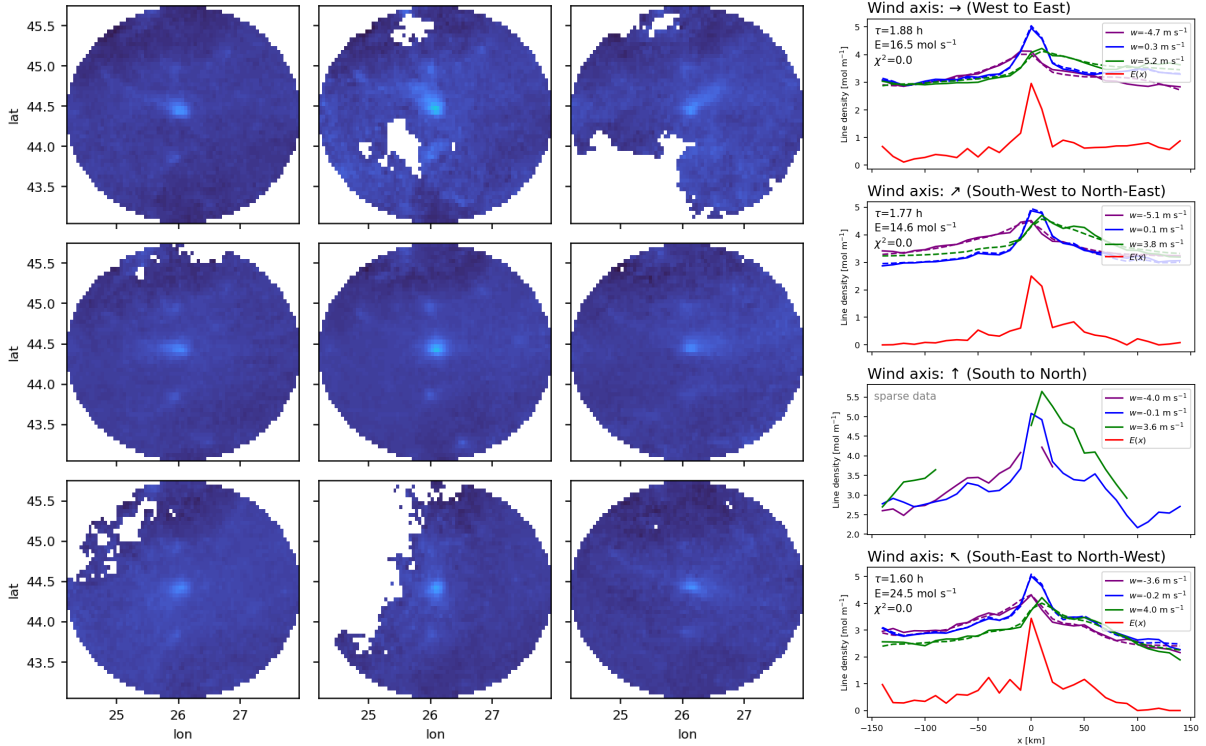
62.1 Winter



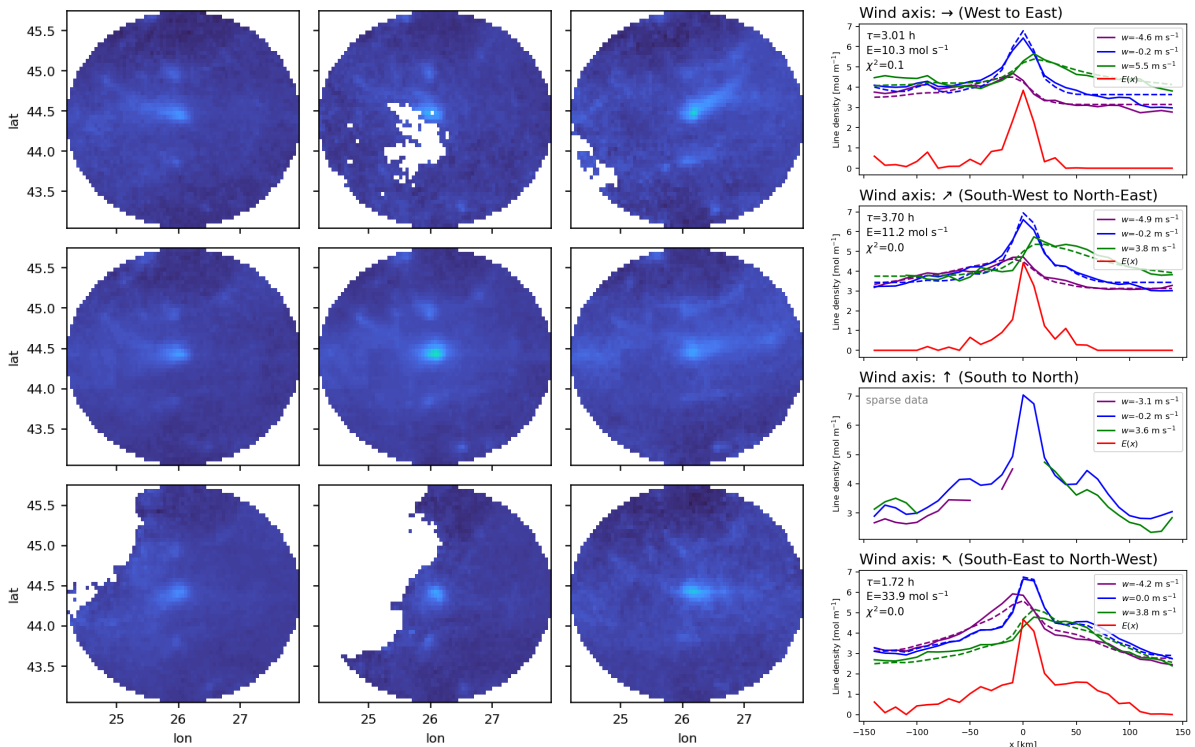
62.2 Spring



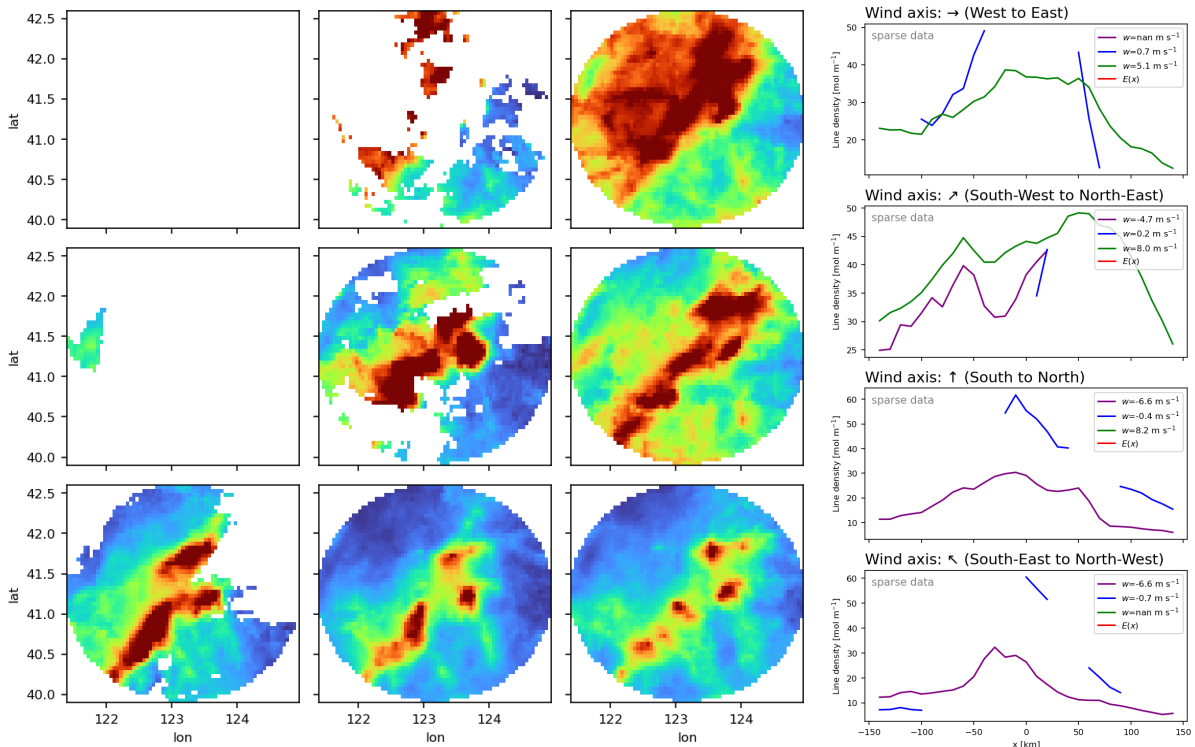
62.3 Summer



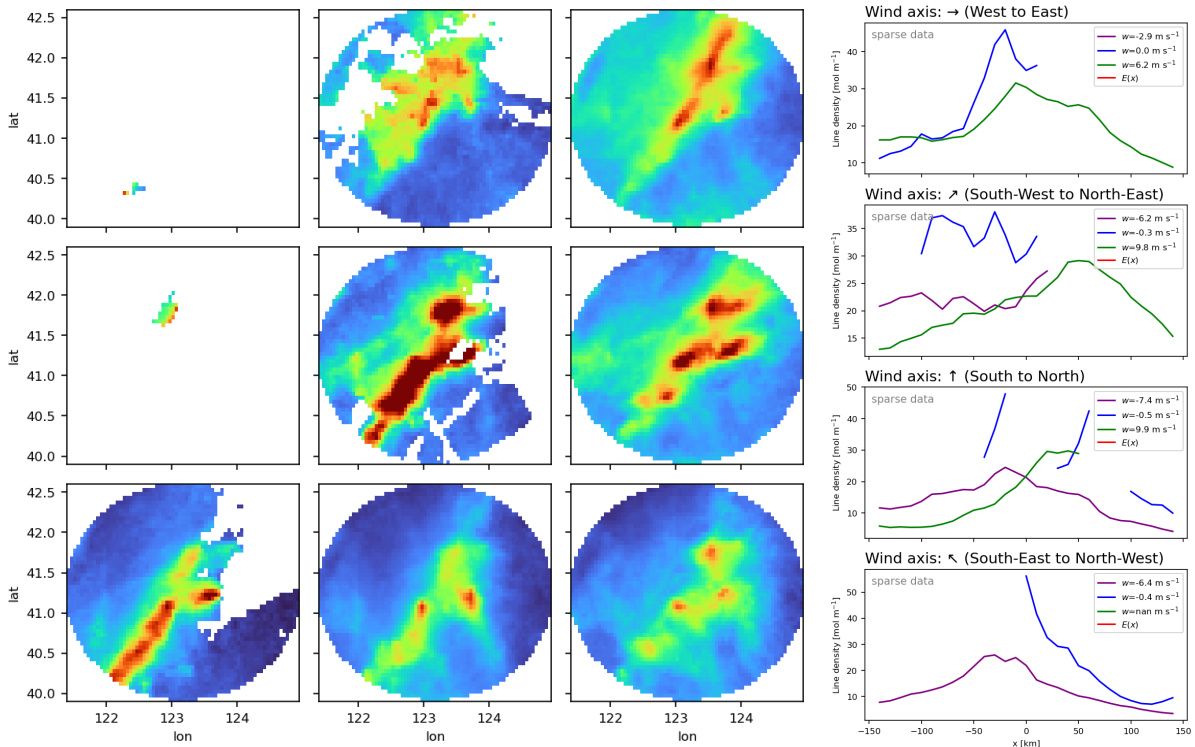
62.4 Autumn



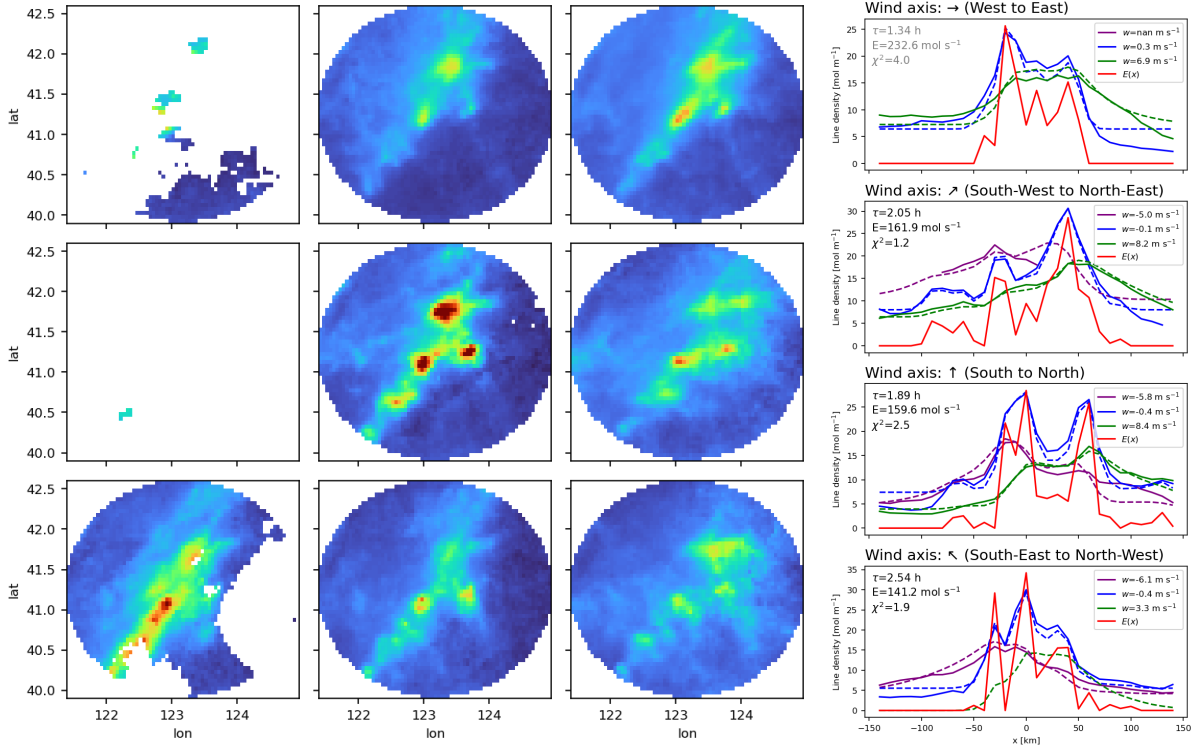
63.1 Winter



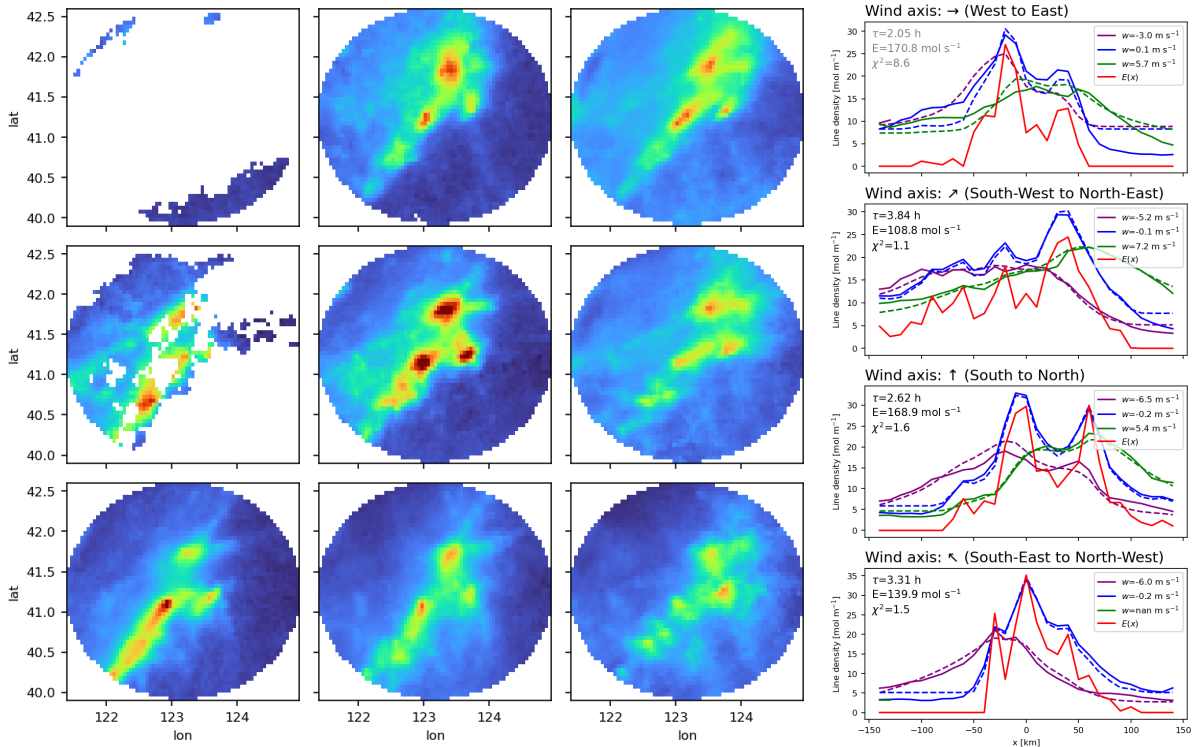
63.2 Spring



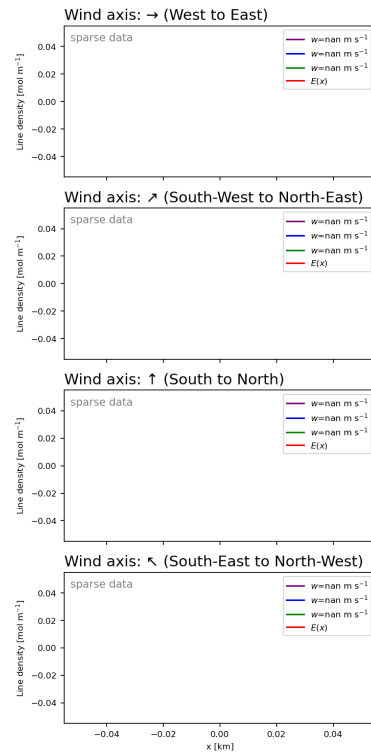
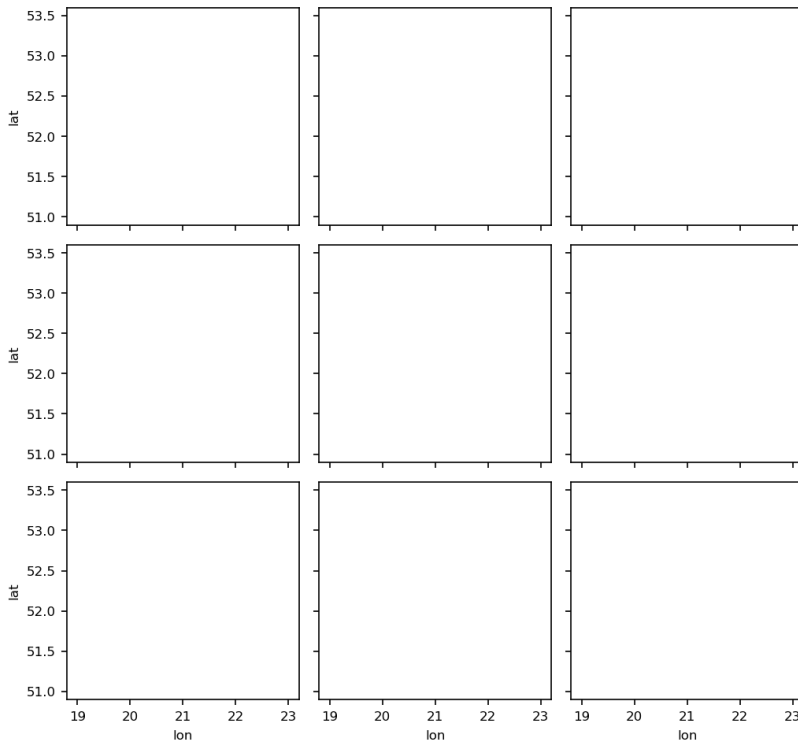
63.3 Summer



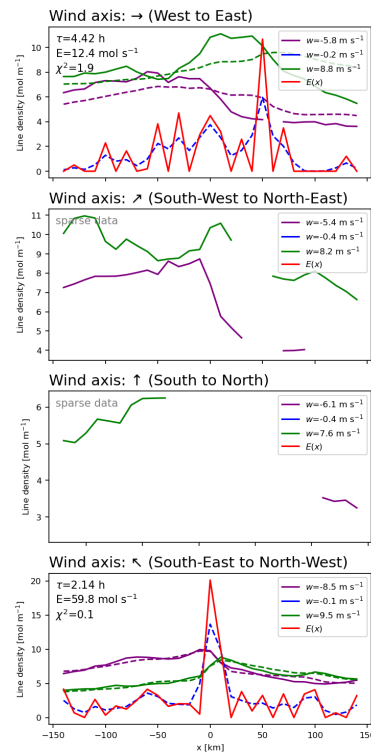
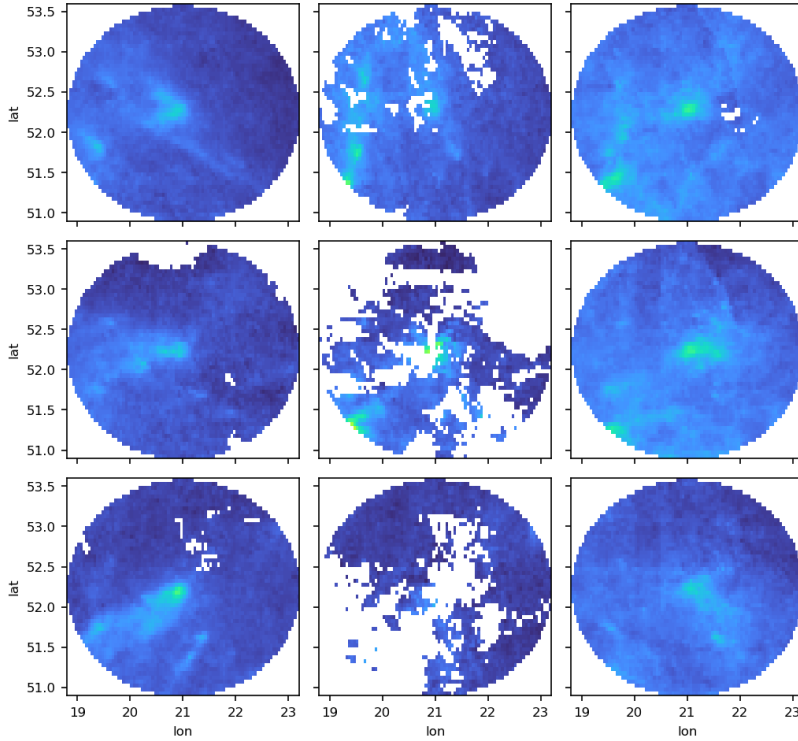
63.4 Autumn



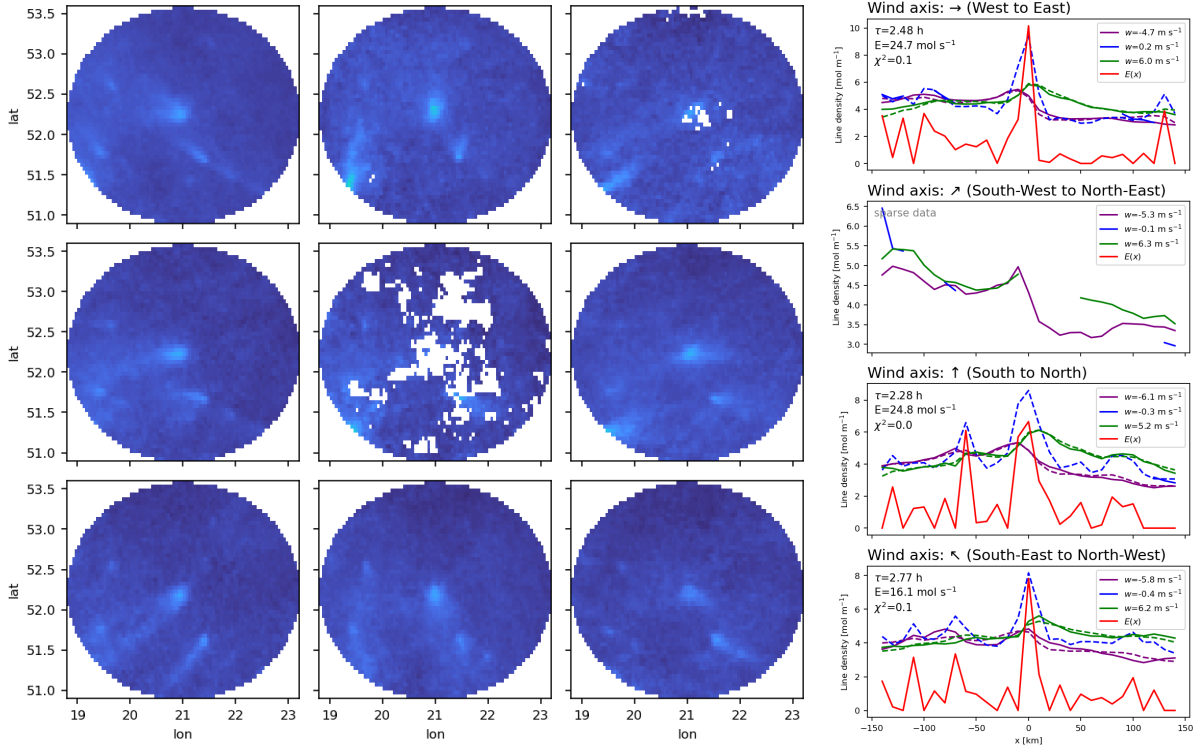
64.1 Winter



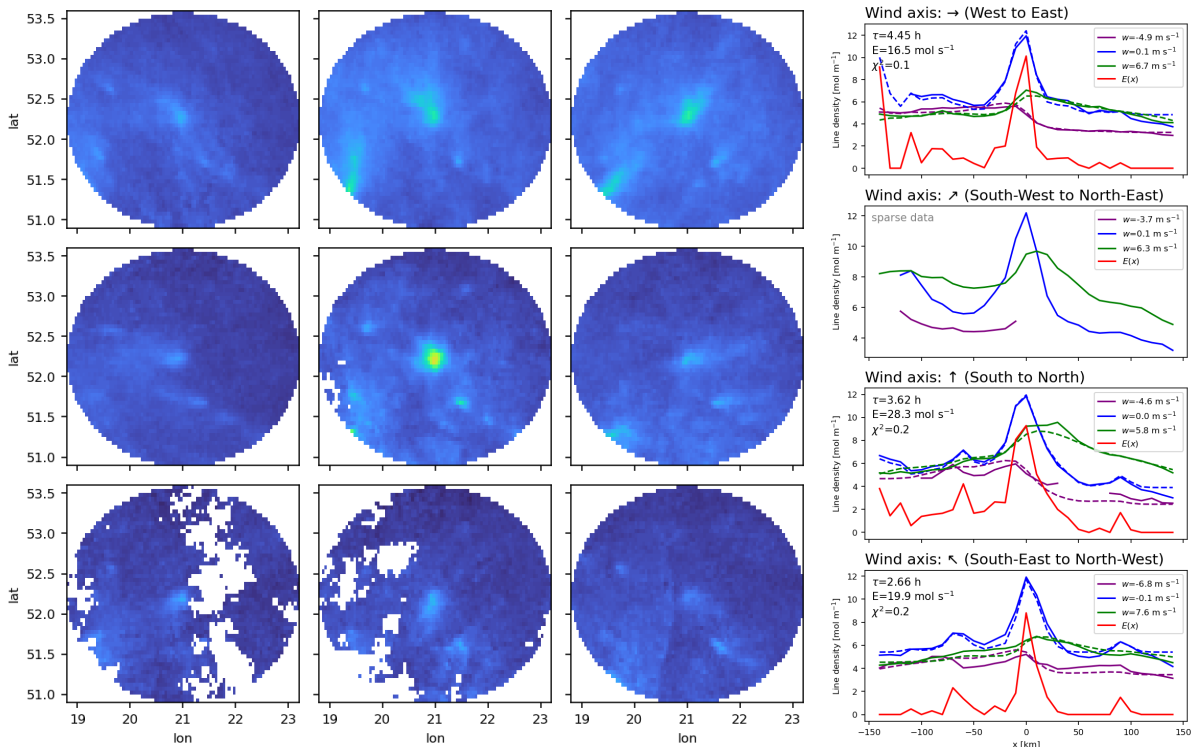
64.2 Spring



64.3 Summer

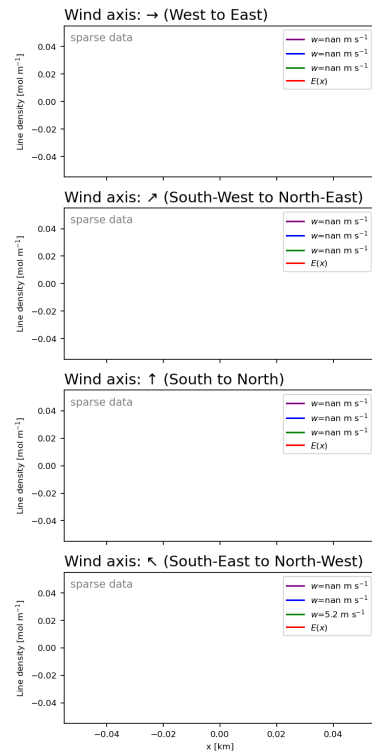
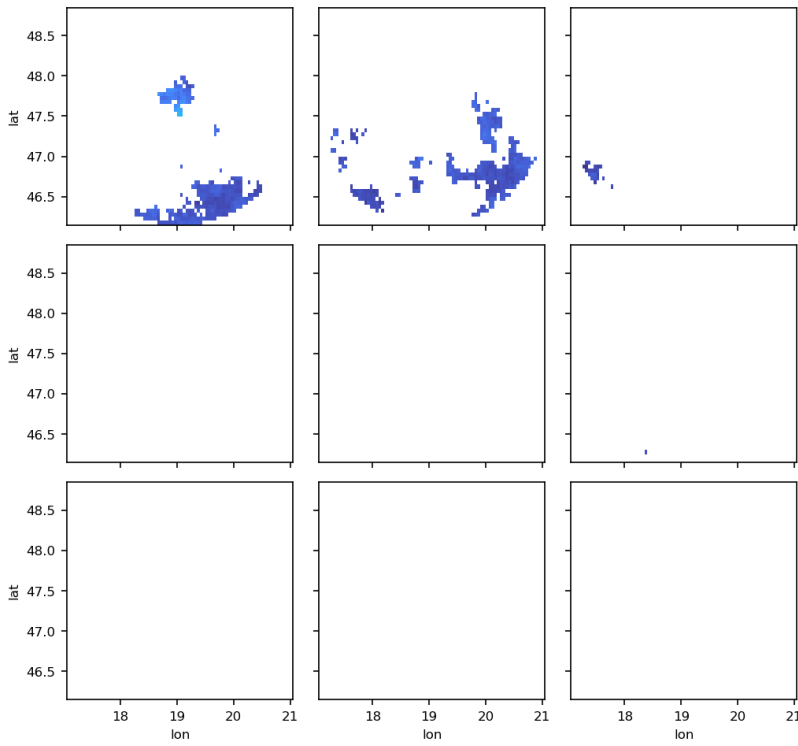


64.4 Autumn

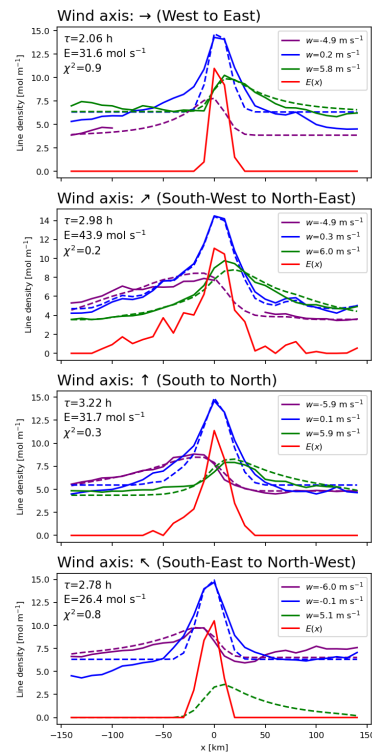
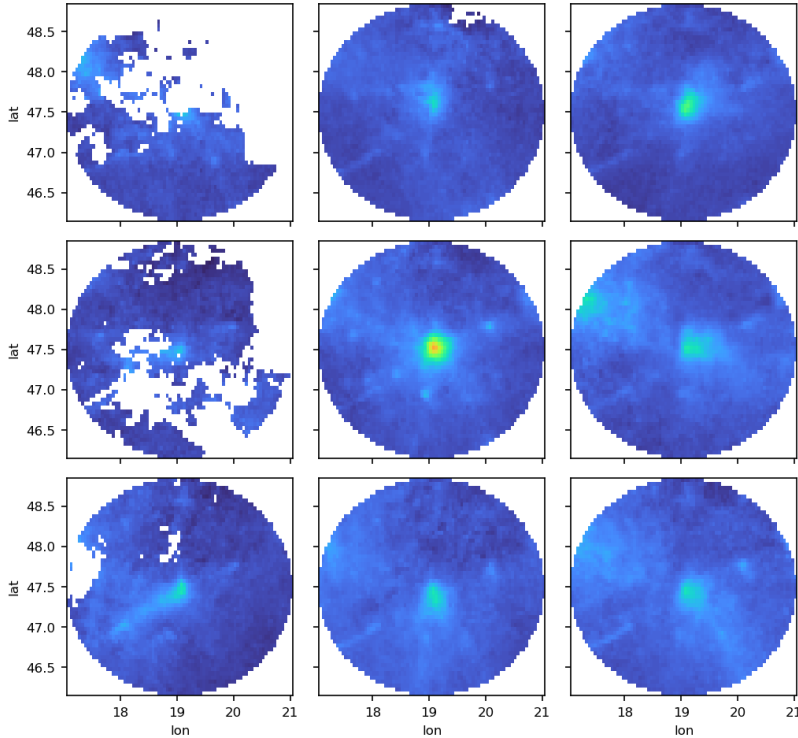


65 Budapest

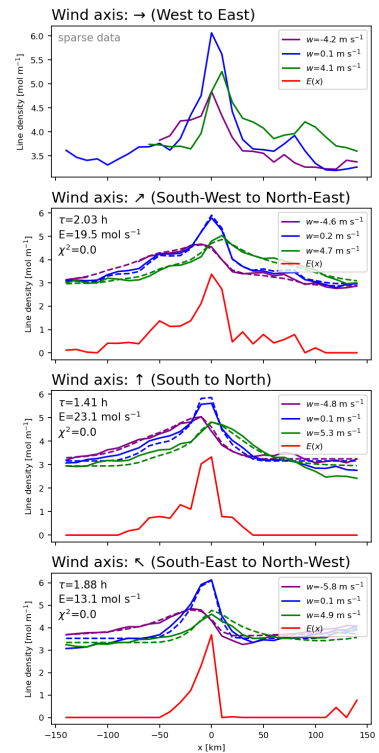
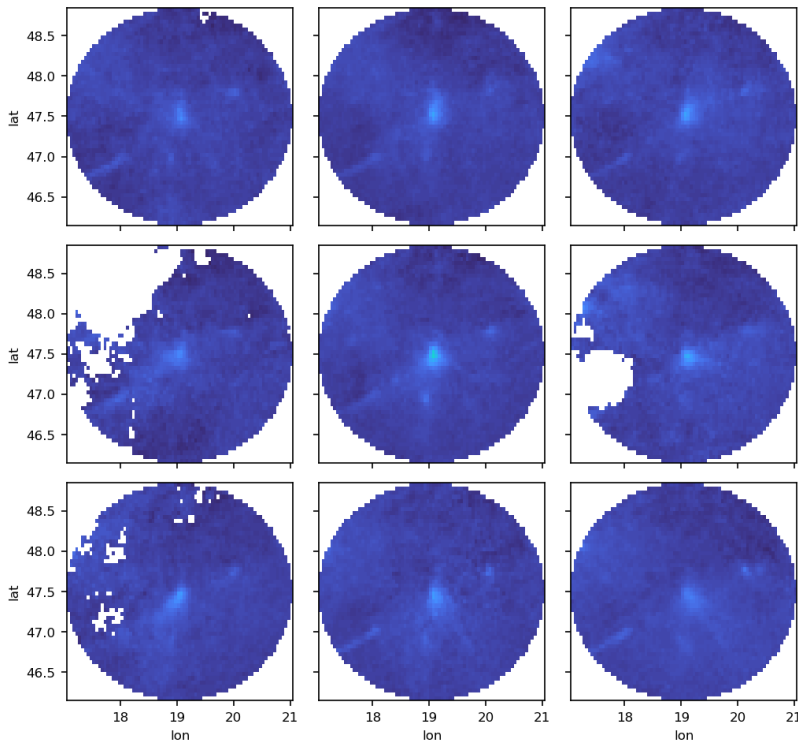
65.1 Winter



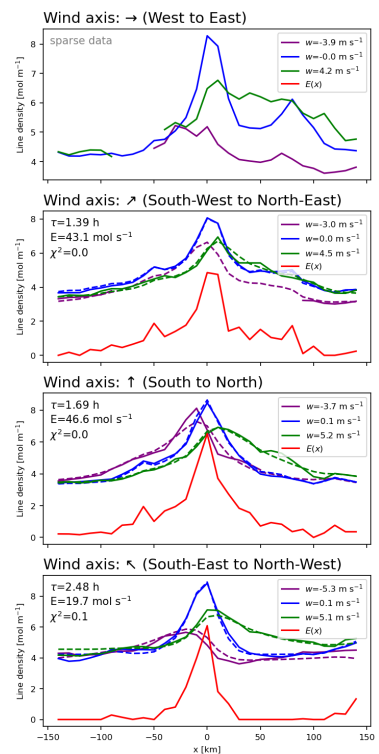
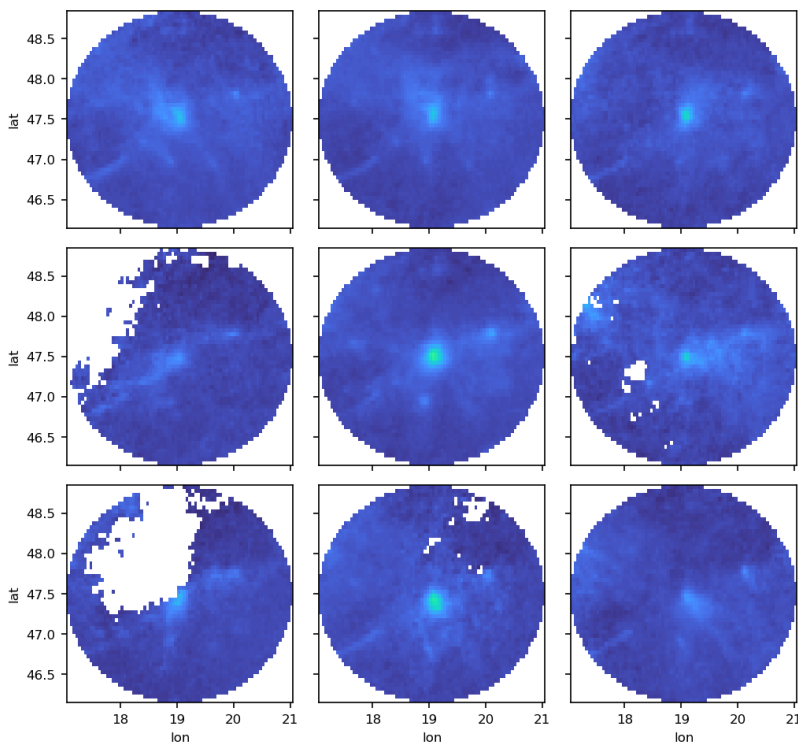
65.2 Spring



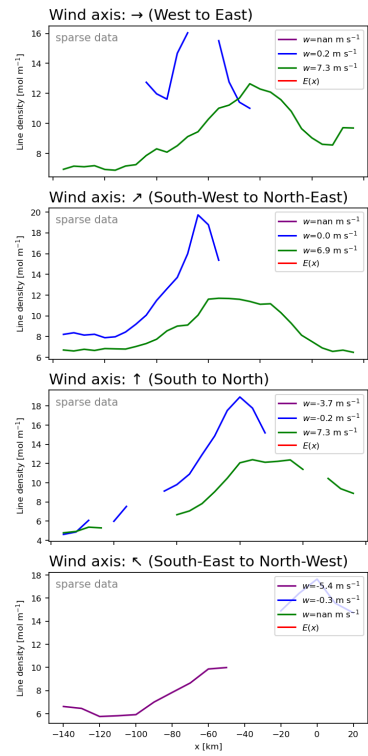
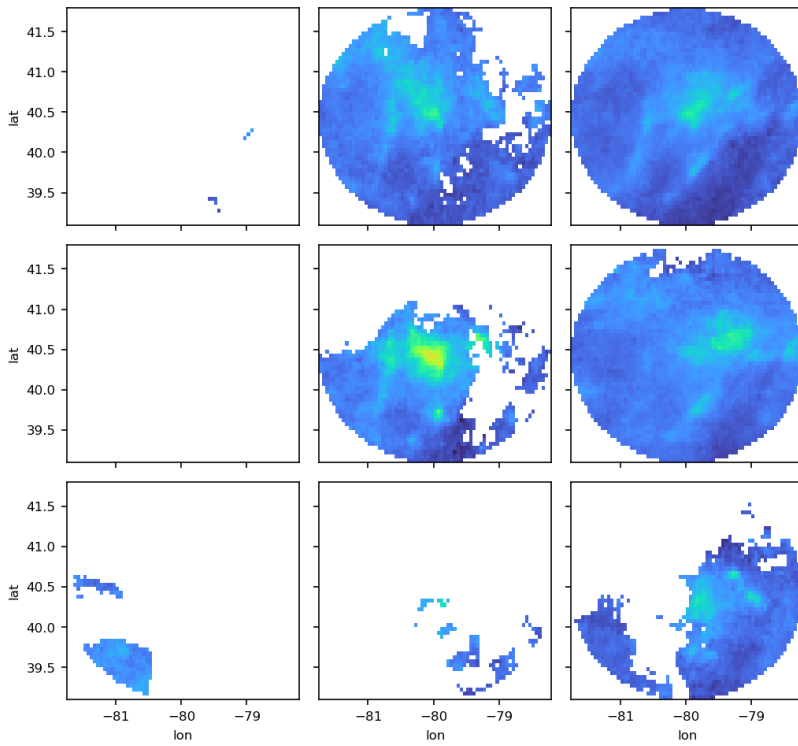
65.3 Summer



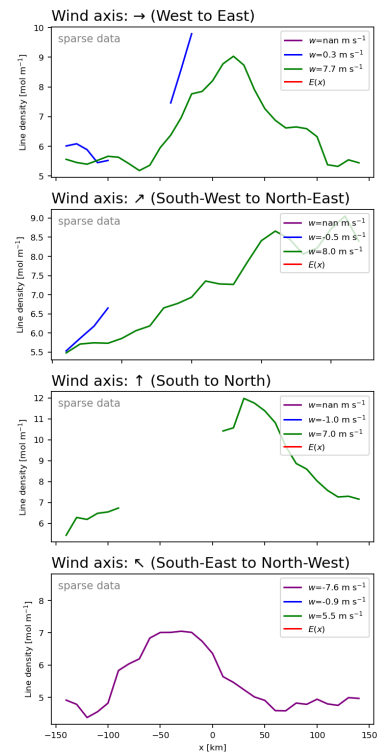
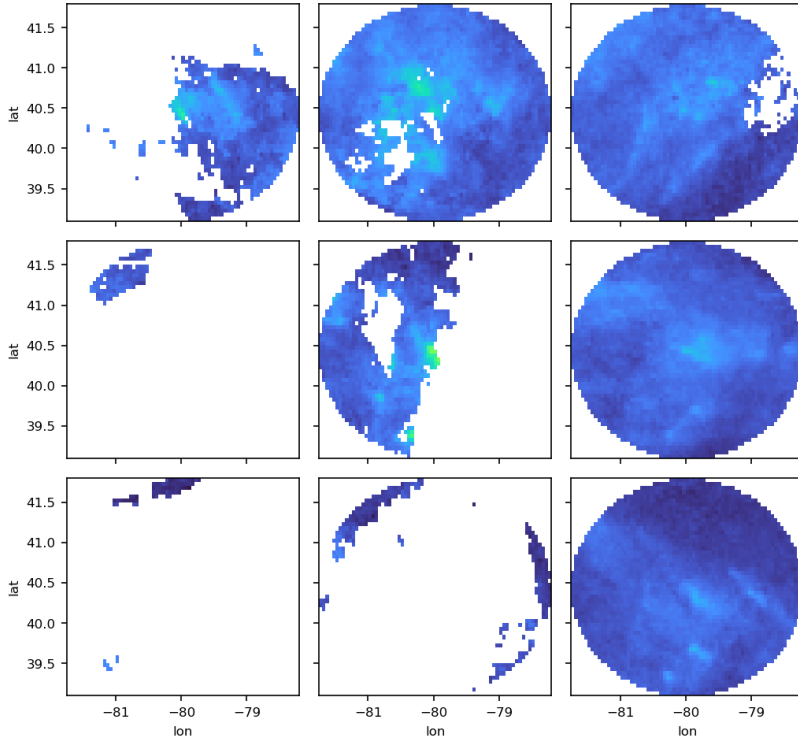
65.4 Autumn



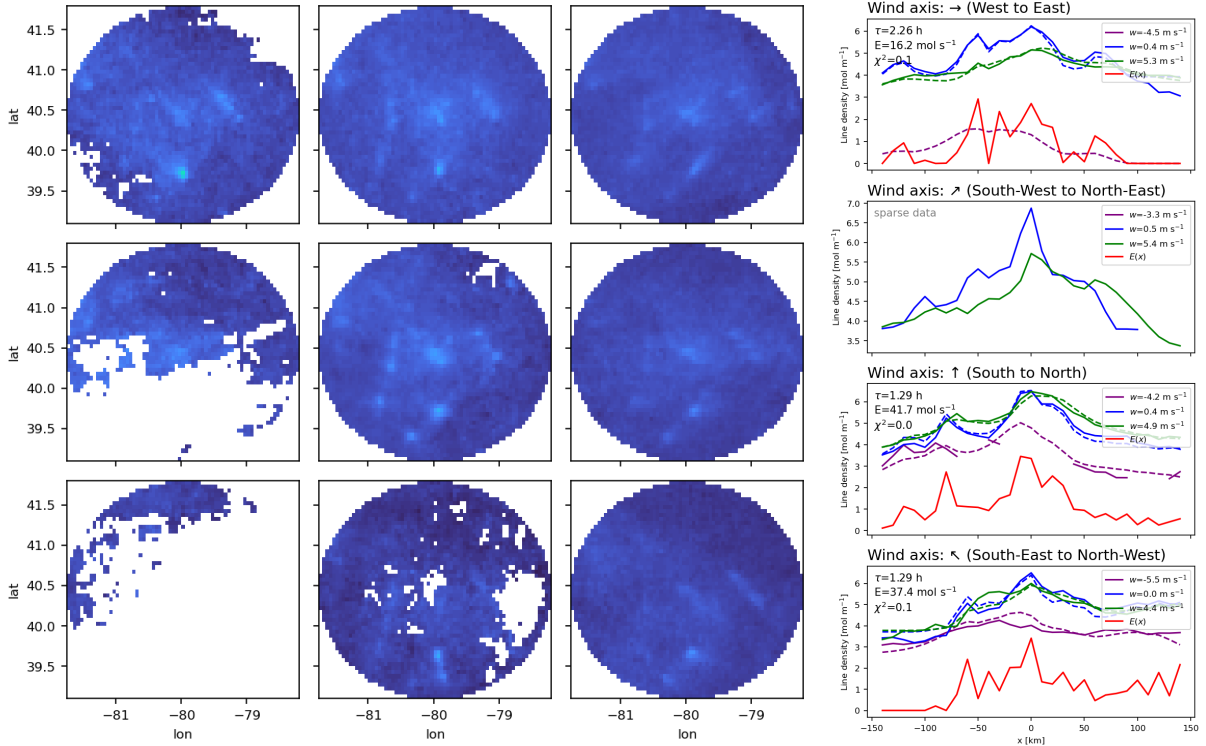
66.1 Winter



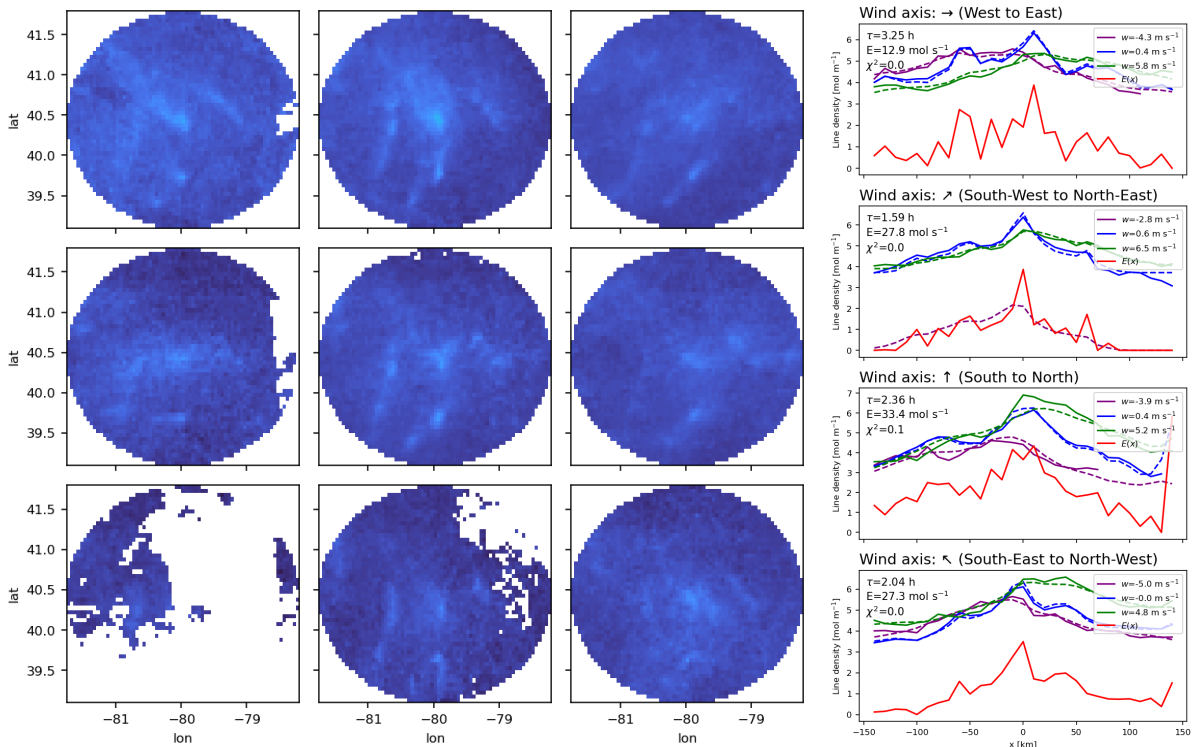
66.2 Spring



66.3 Summer

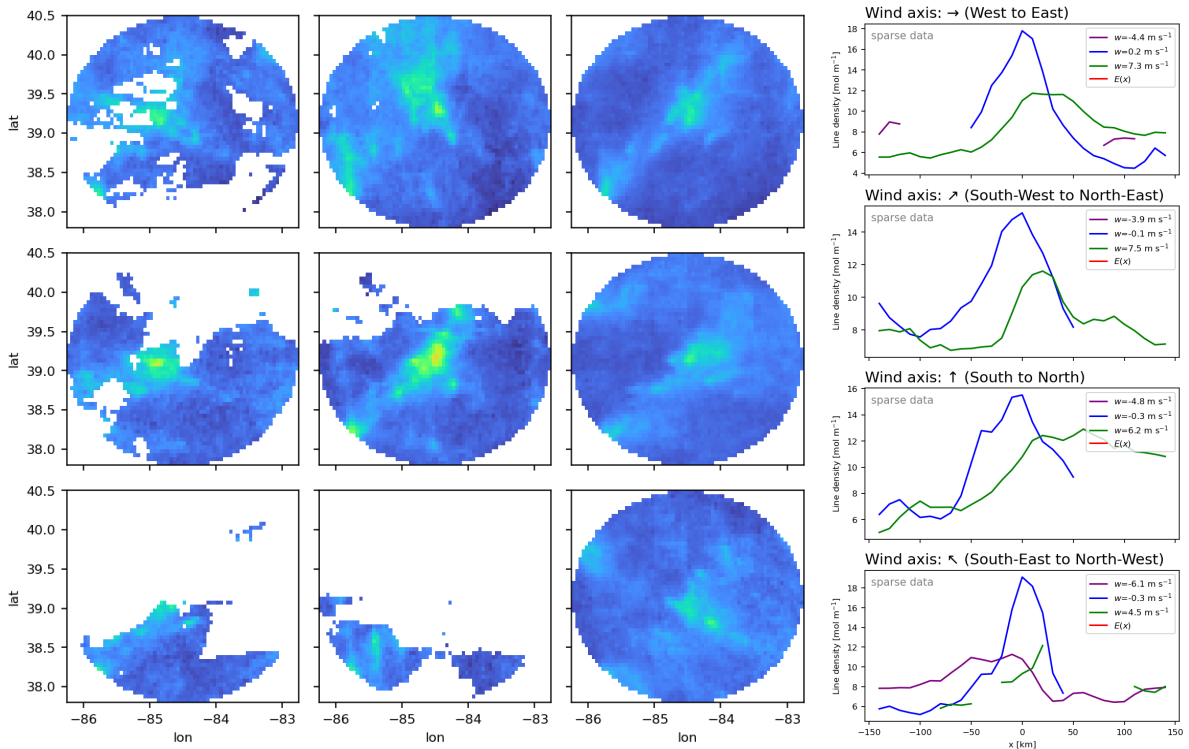


66.4 Autumn

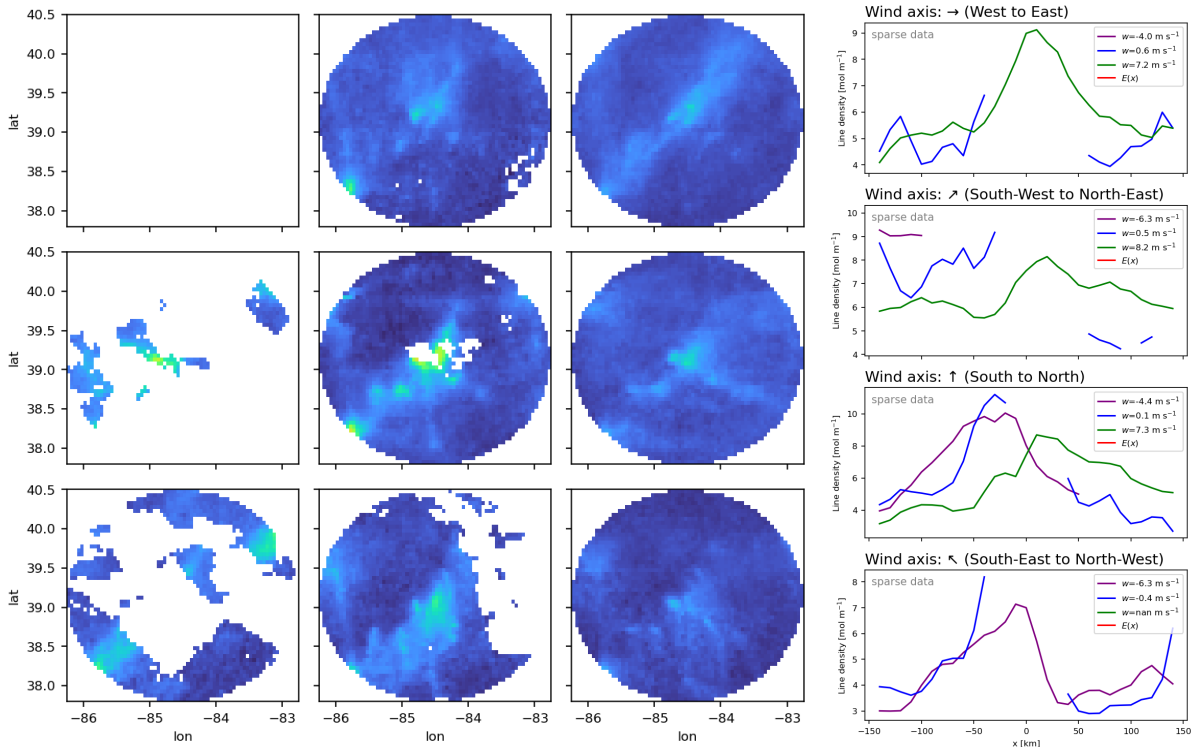


67 Cincinnati

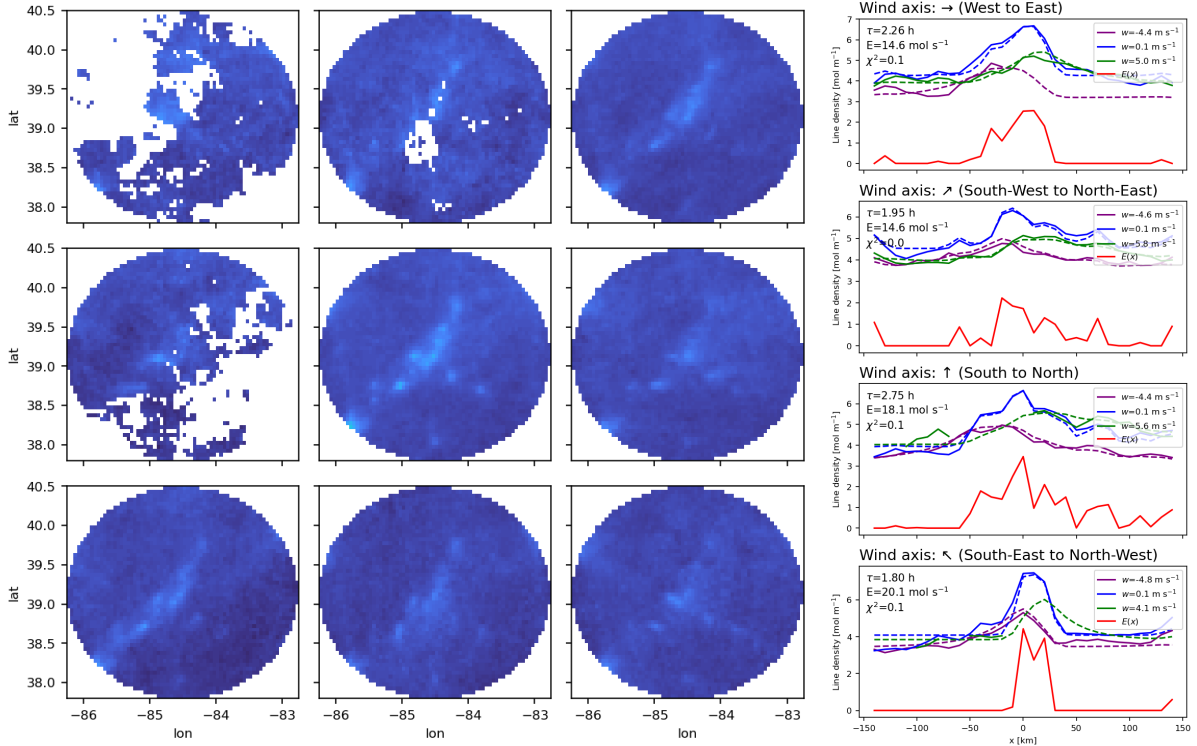
67.1 Winter



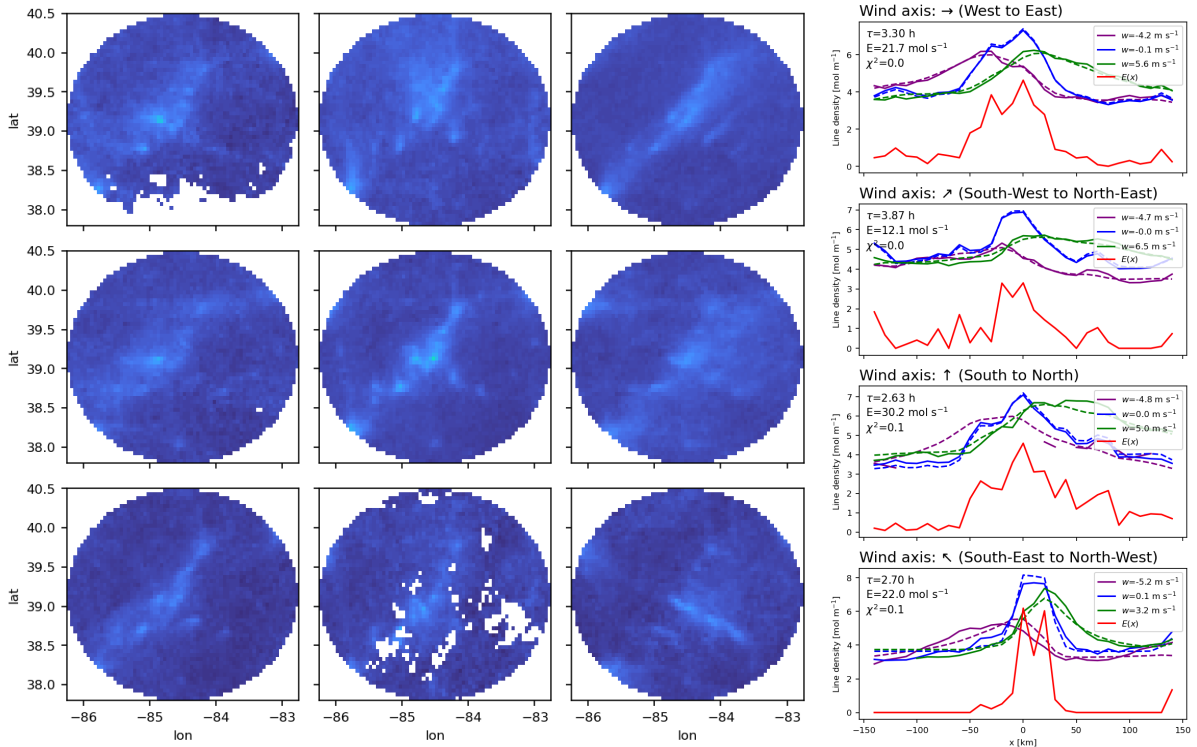
67.2 Spring



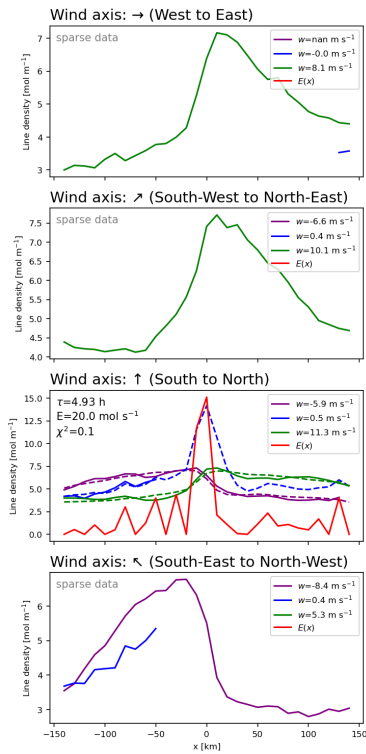
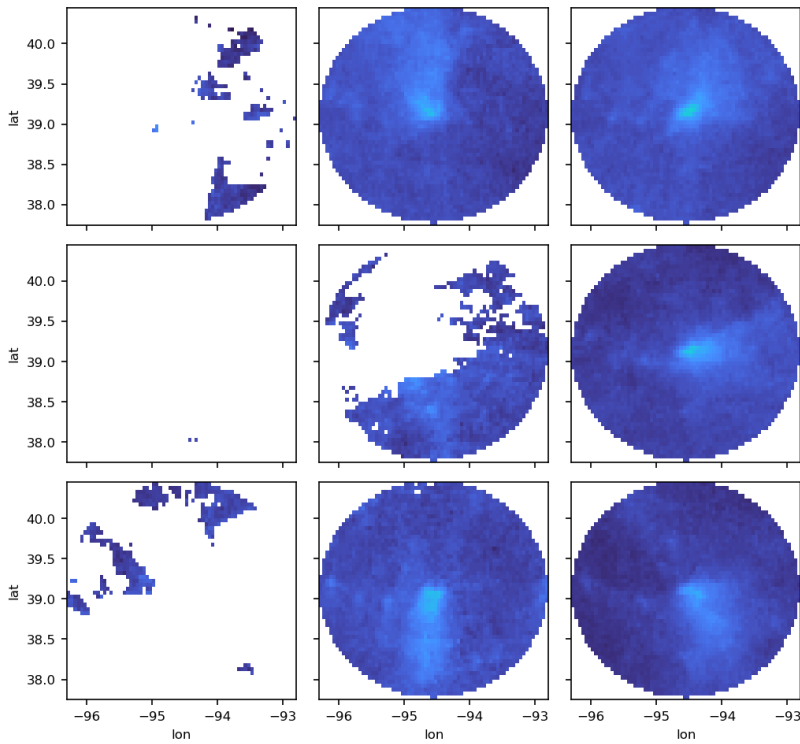
67.3 Summer



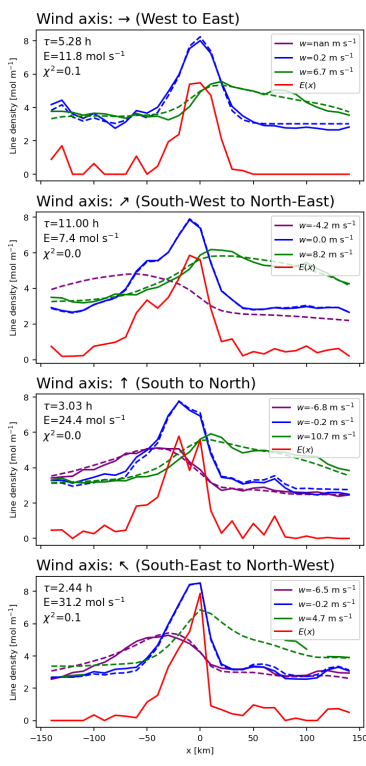
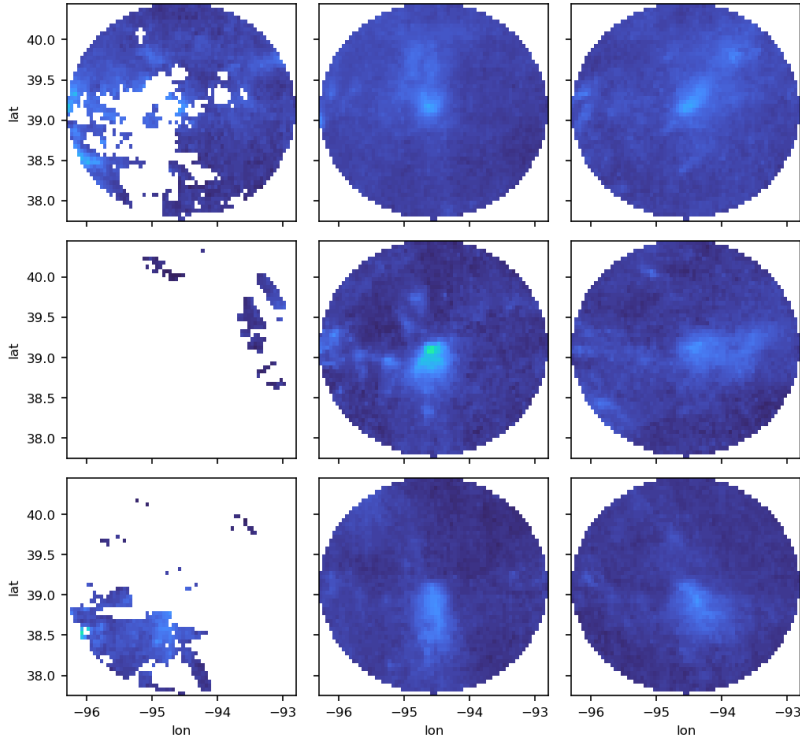
67.4 Autumn



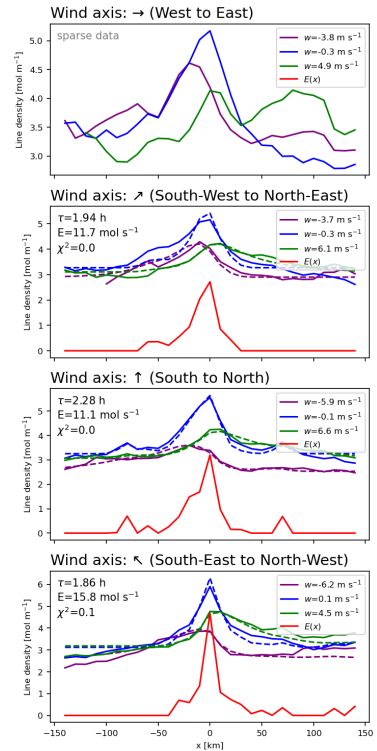
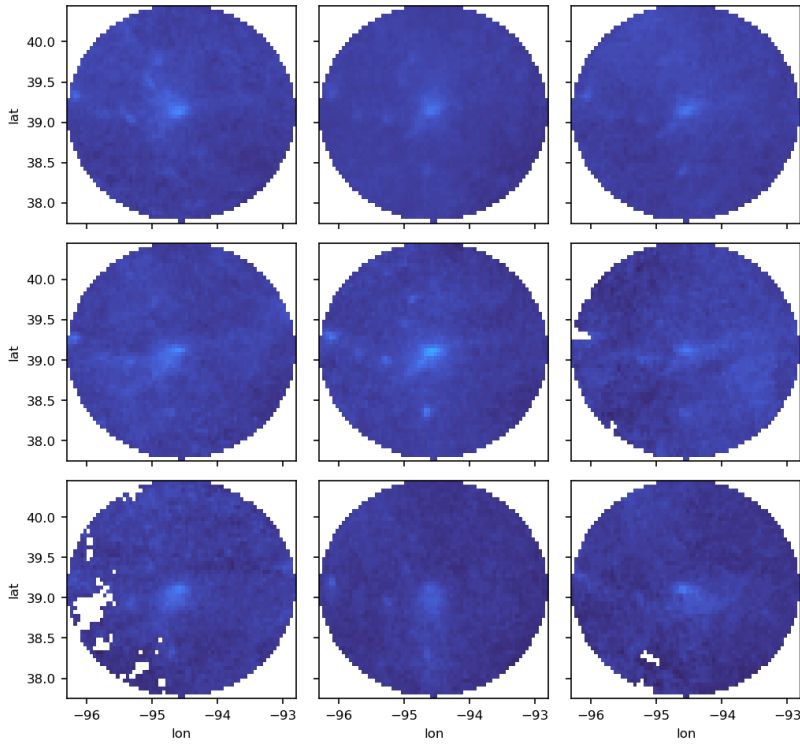
68.1 Winter



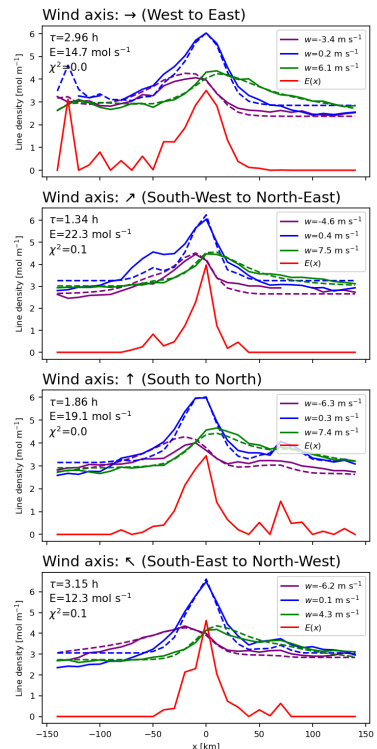
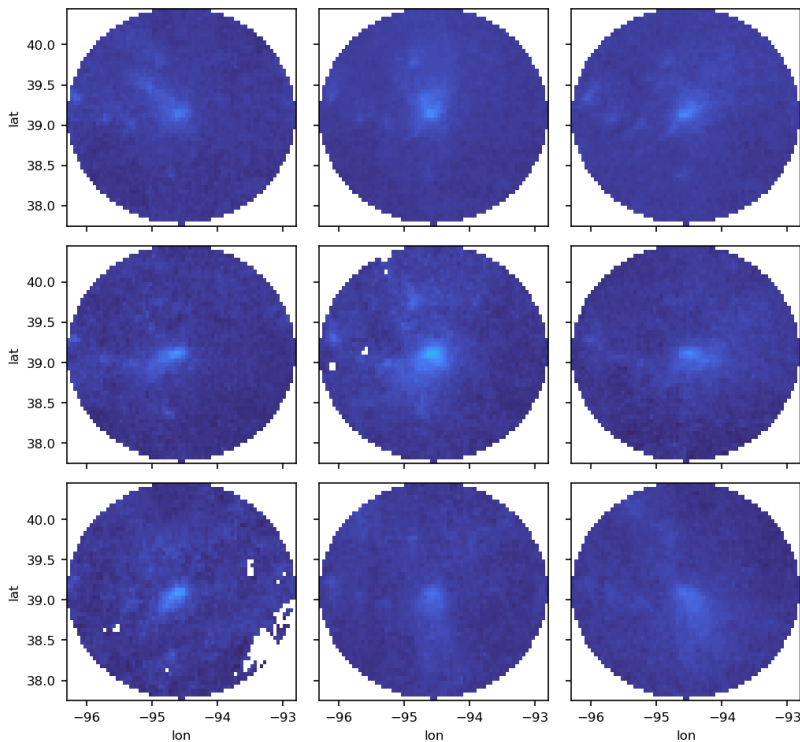
68.2 Spring



68.3 Summer

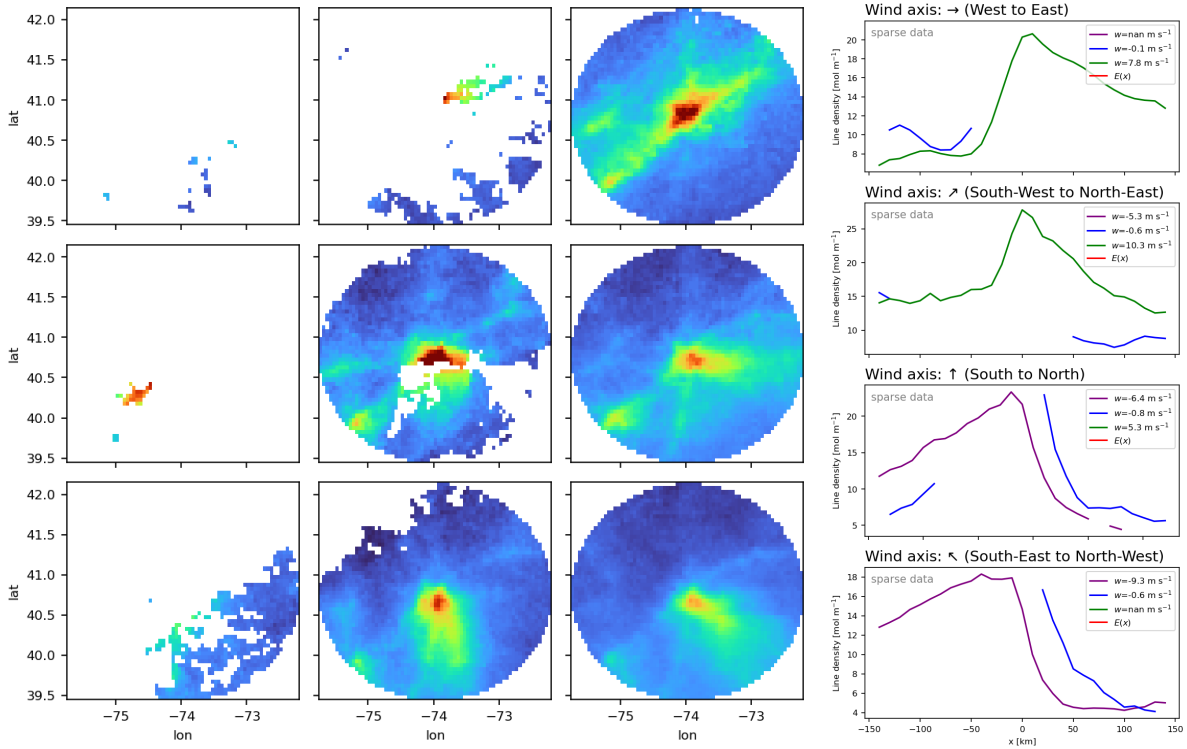


68.4 Autumn

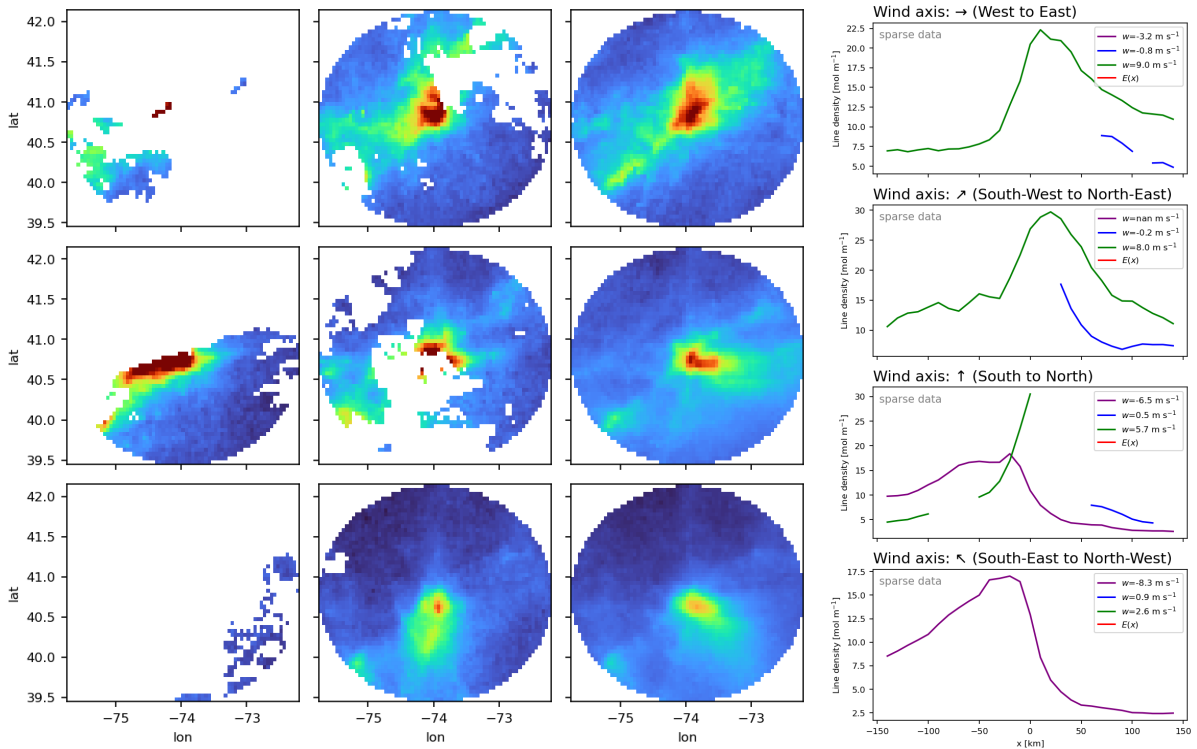


69 Manhattan

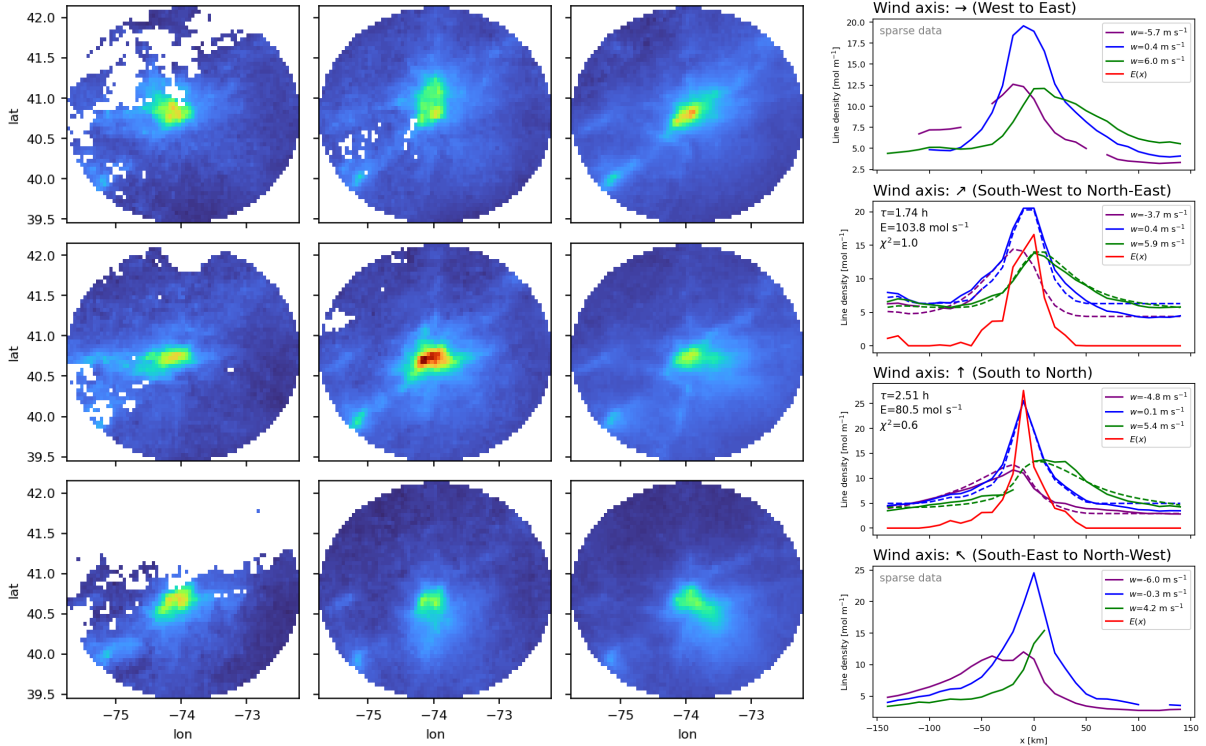
69.1 Winter



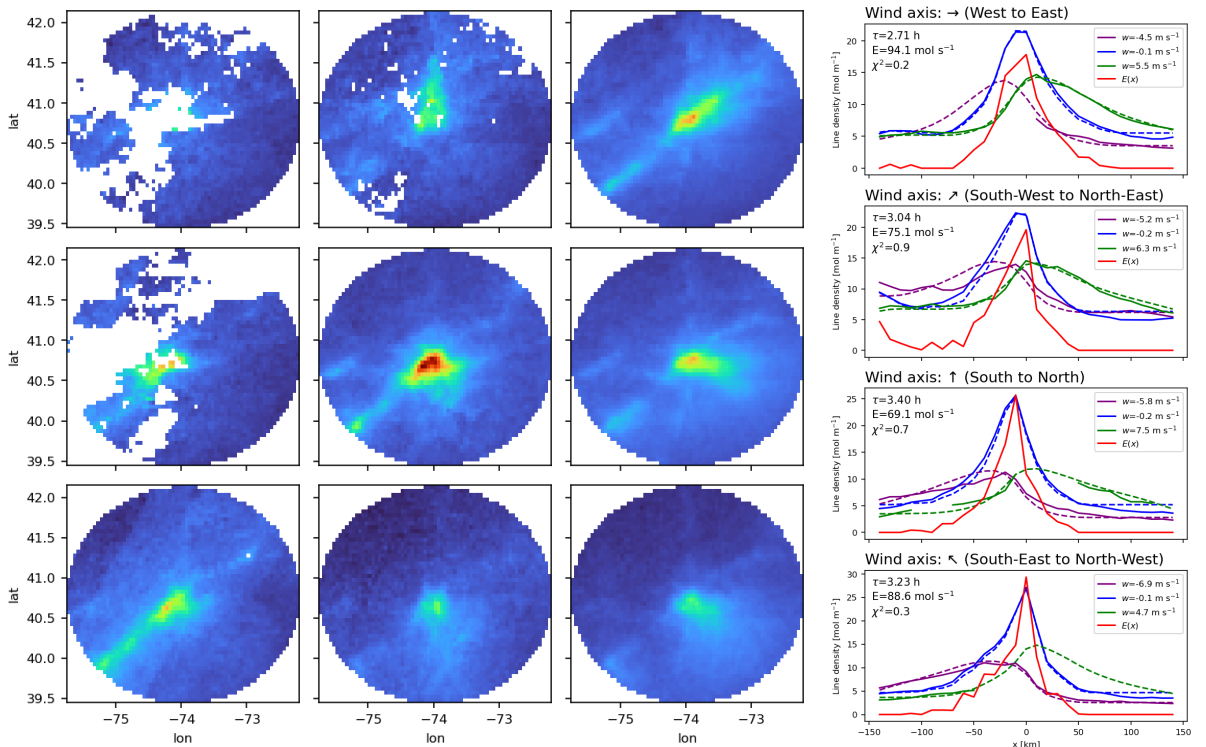
69.2 Spring



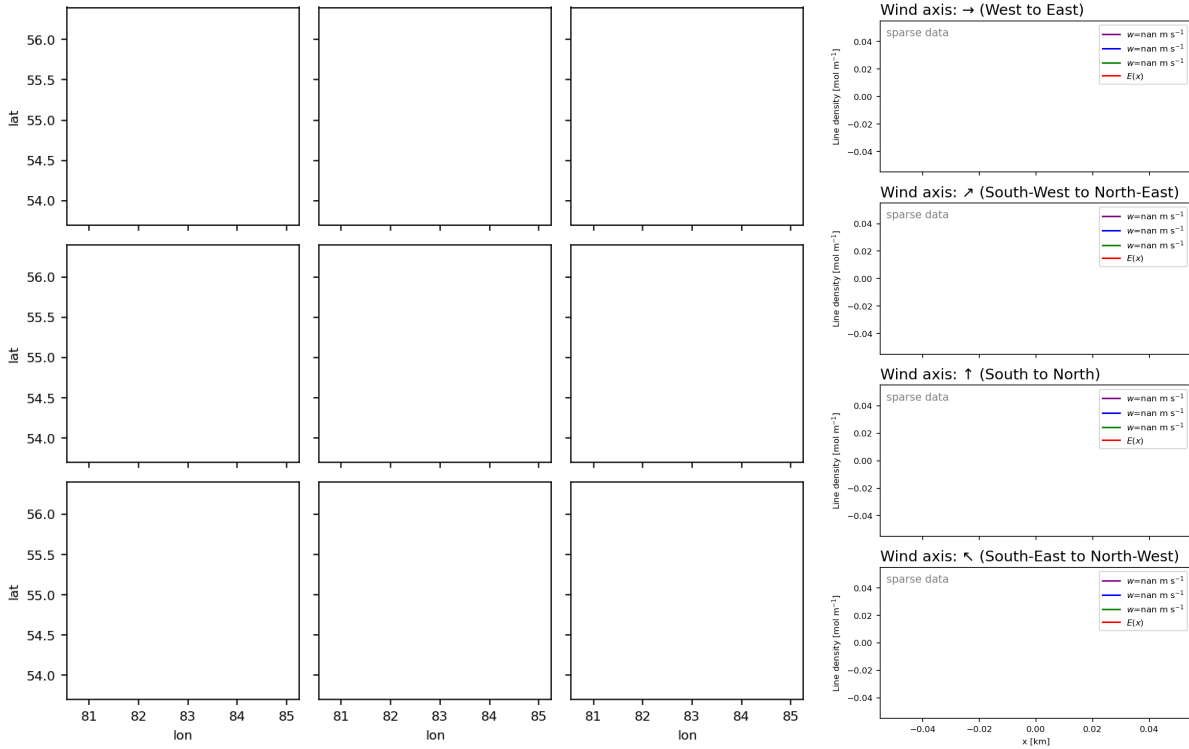
69.3 Summer



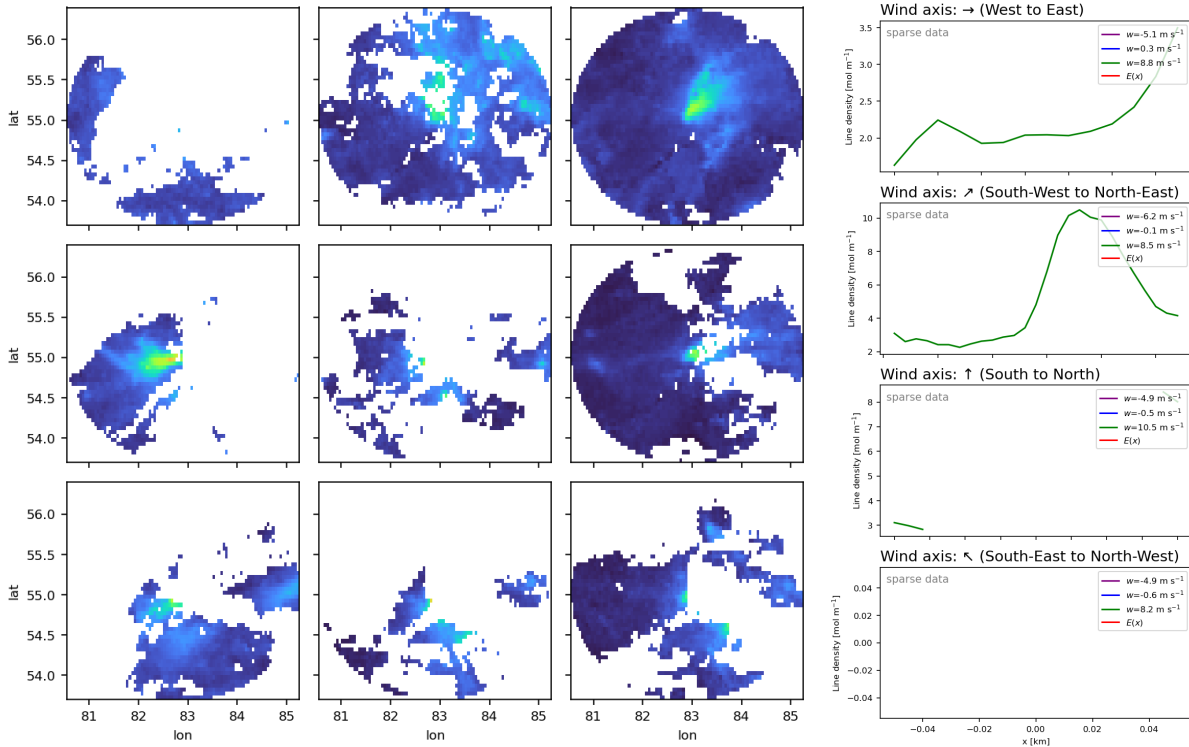
69.4 Autumn



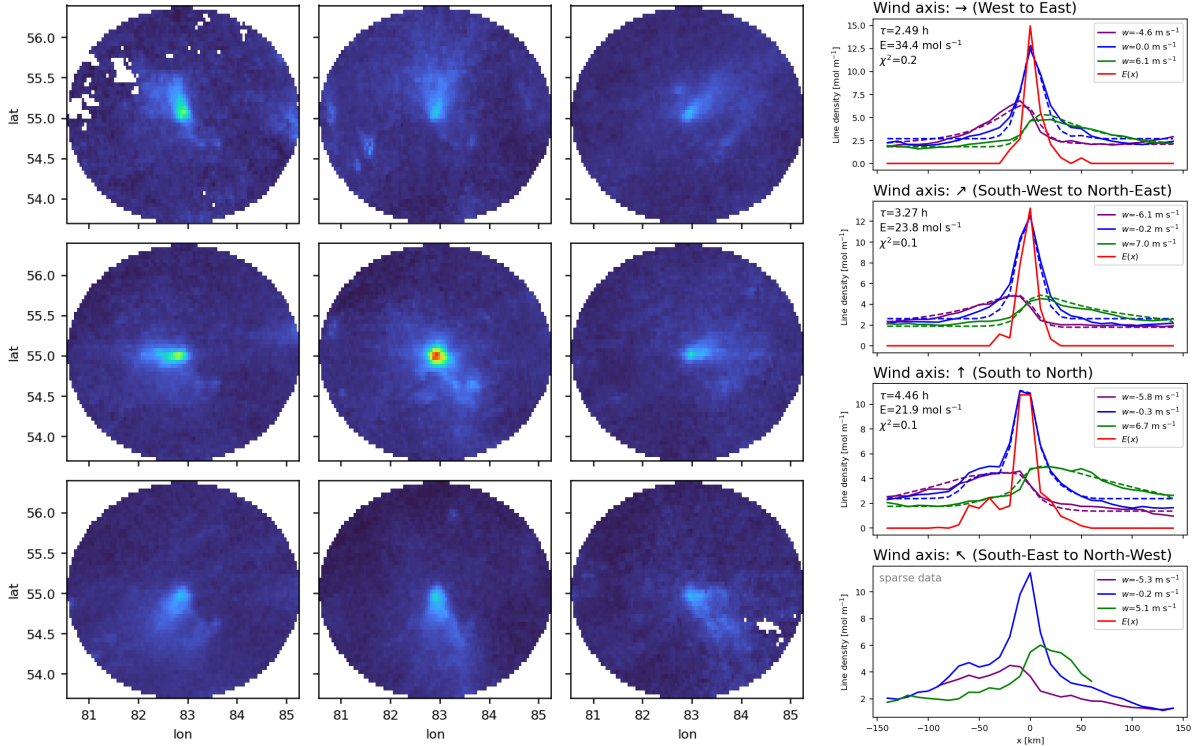
70.1 Winter



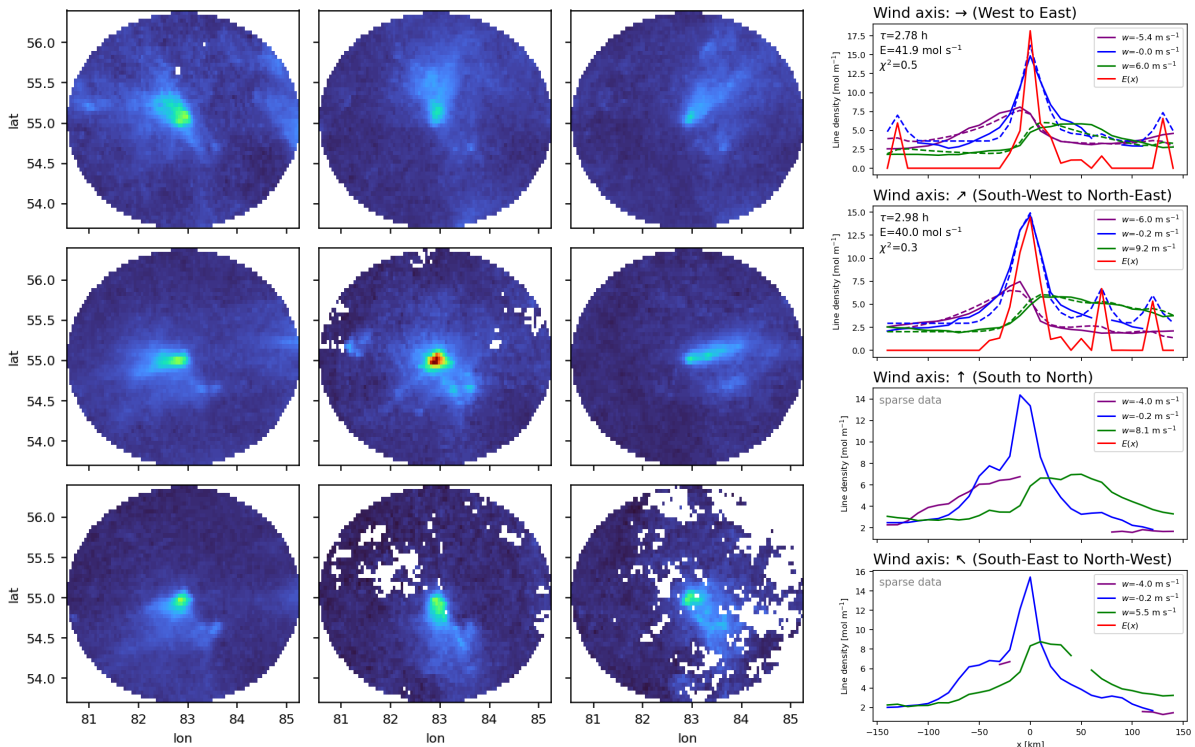
70.2 Spring



70.3 Summer

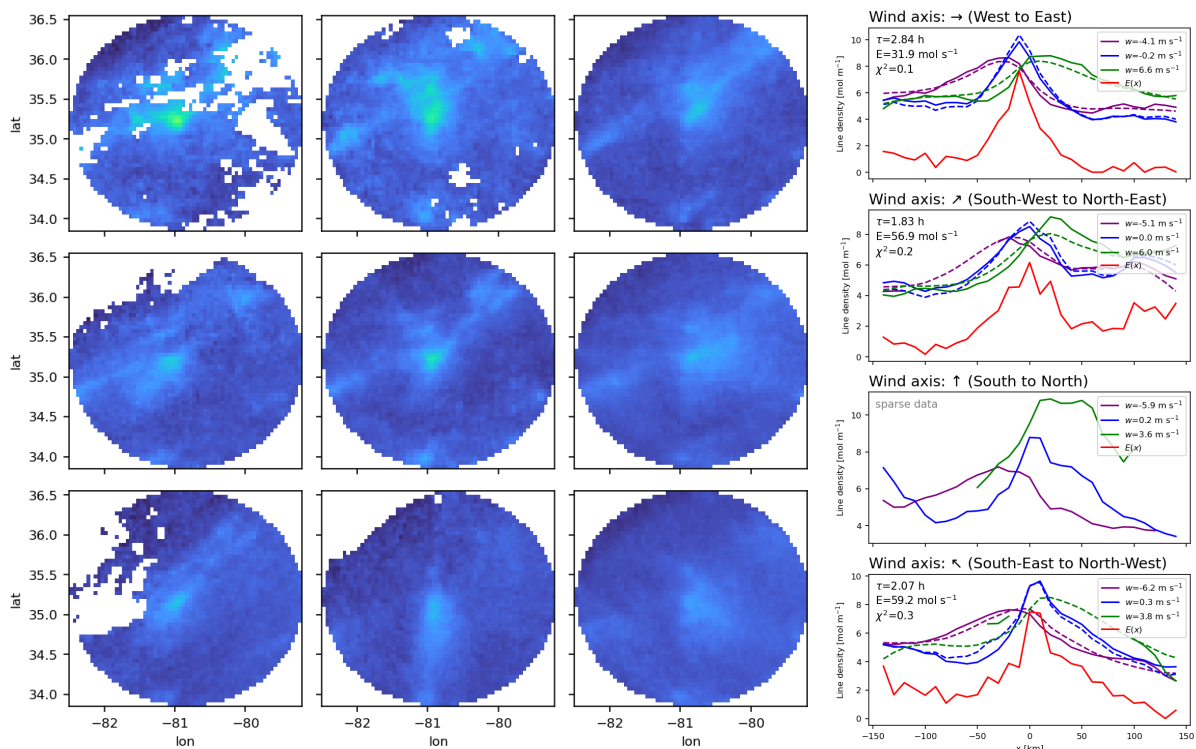


70.4 Autumn

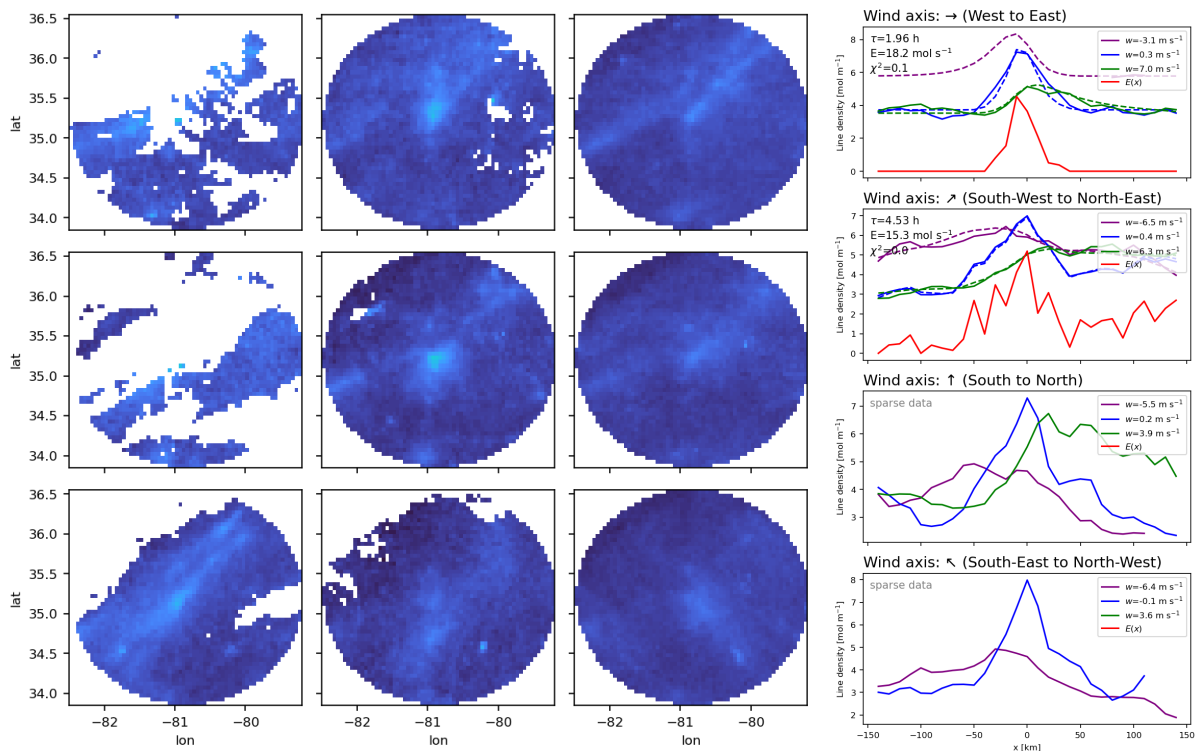


71 Charlotte

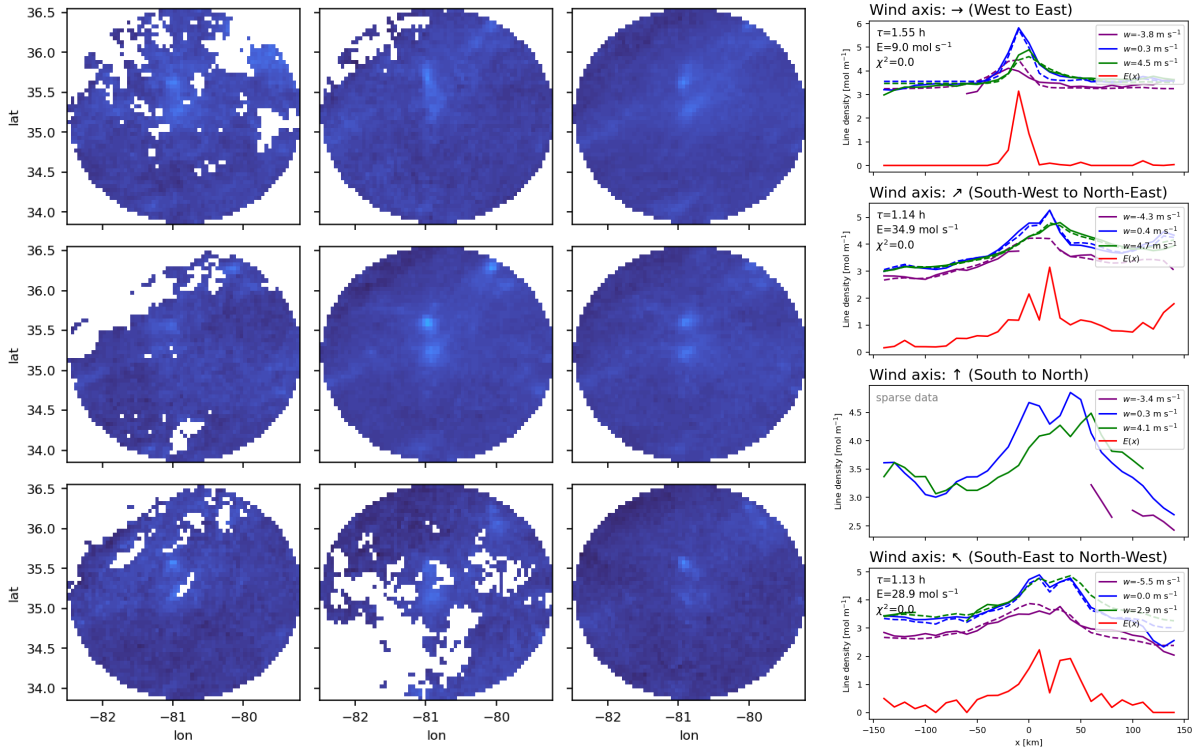
71.1 Winter



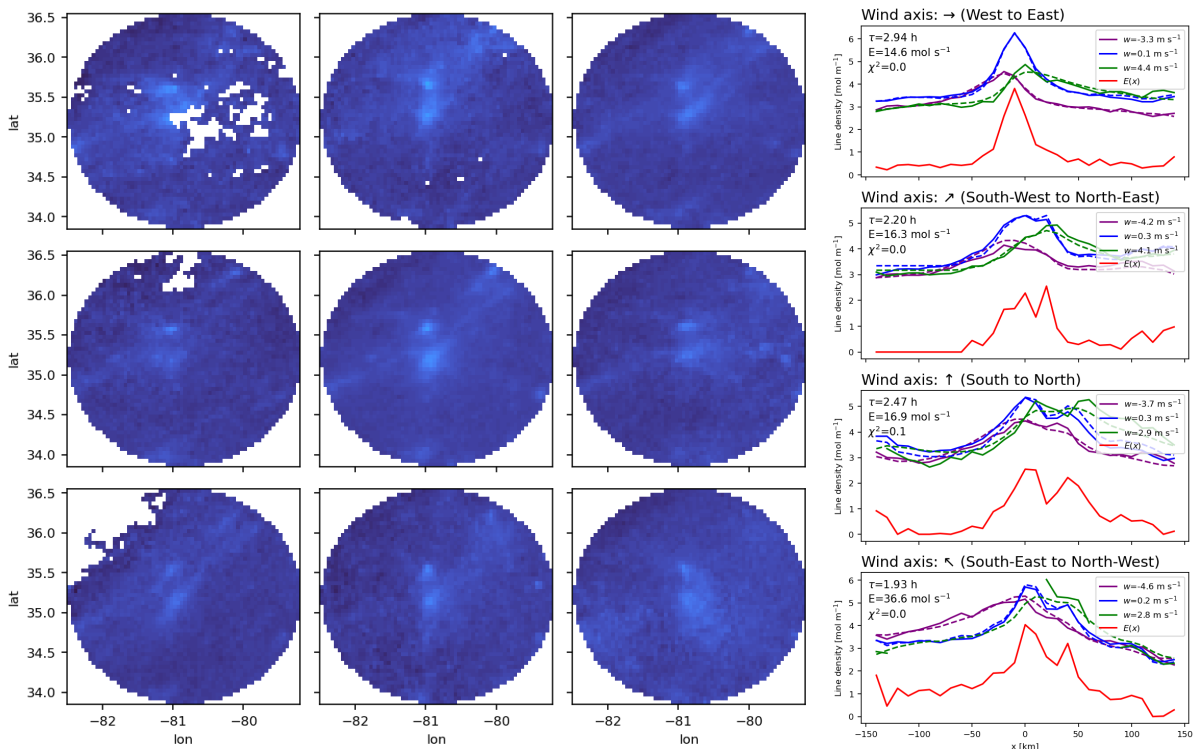
71.2 Spring



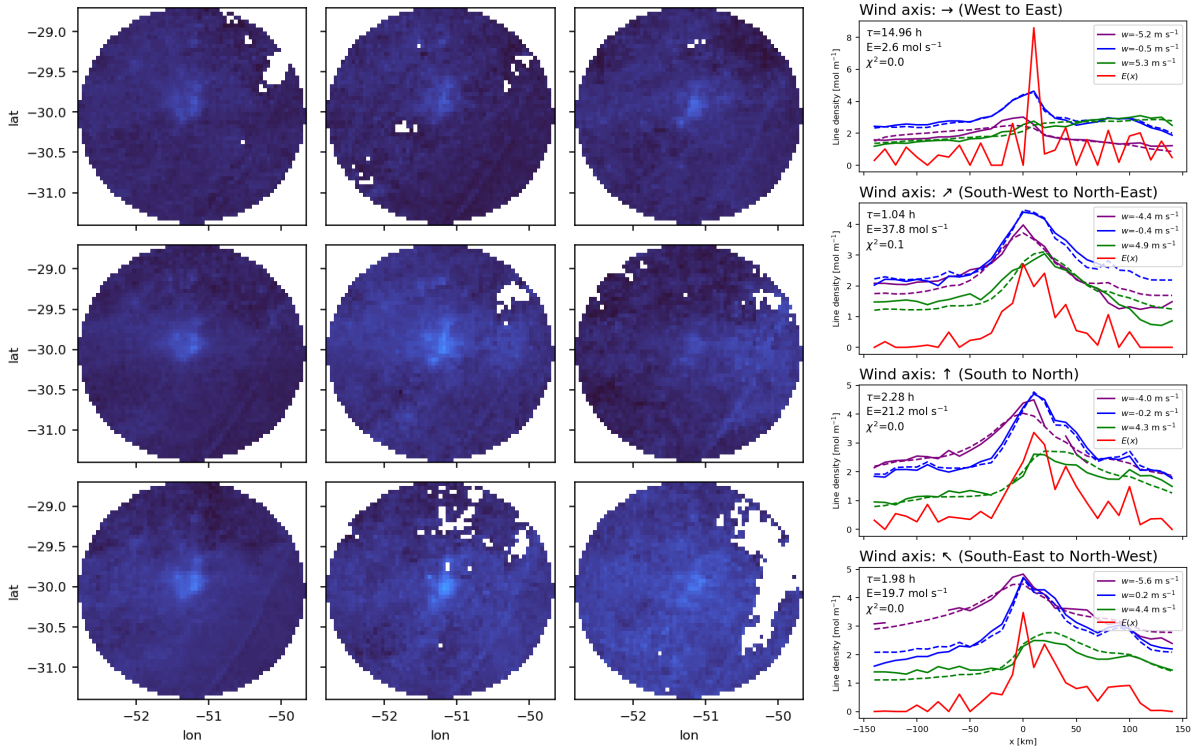
71.3 Summer



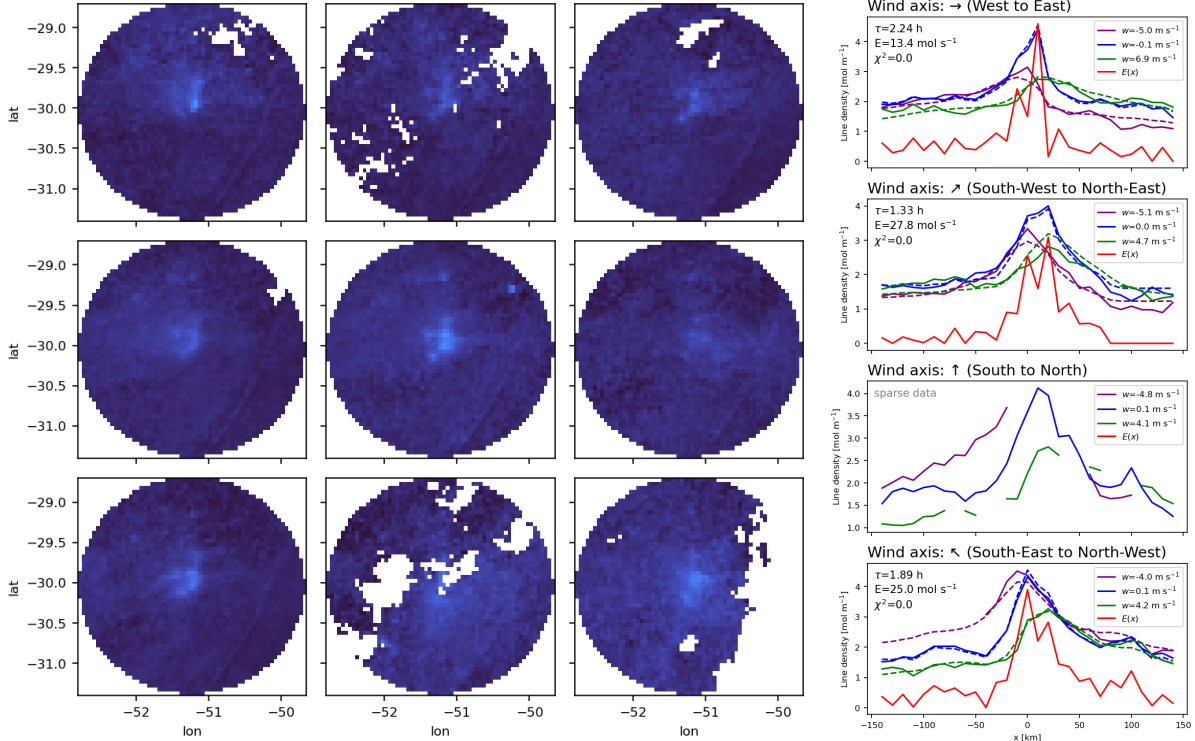
71.4 Autumn



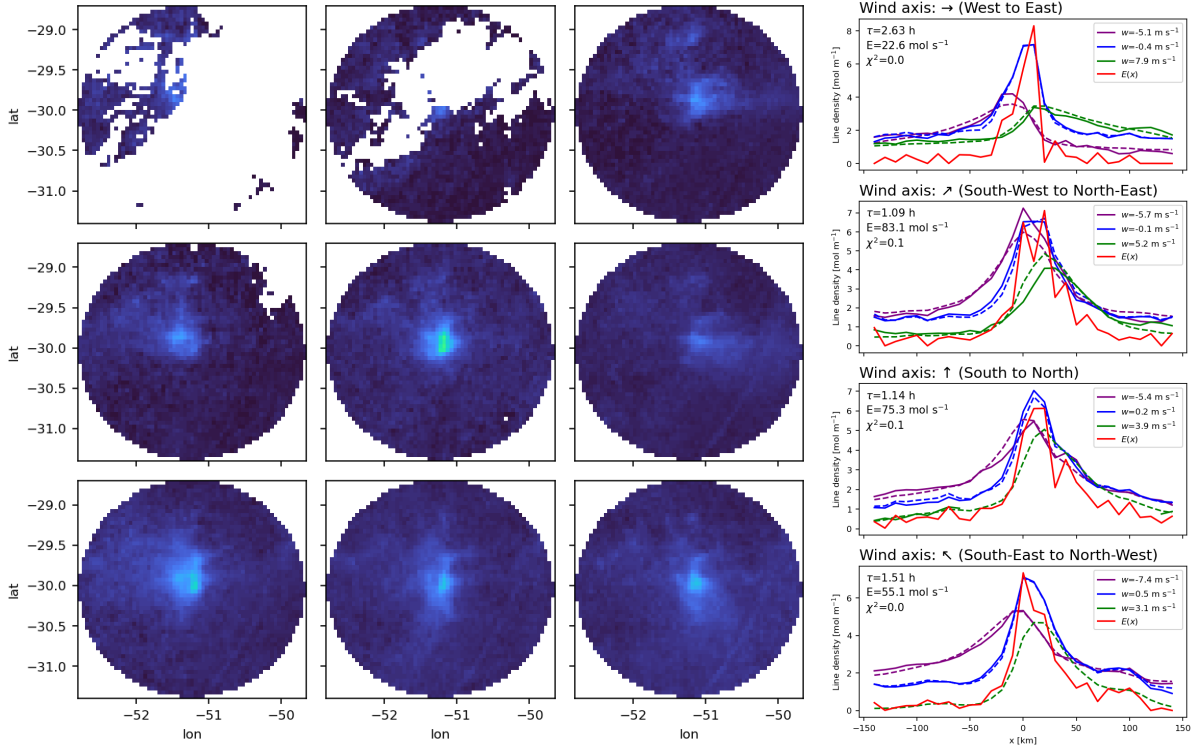
72.1 Winter



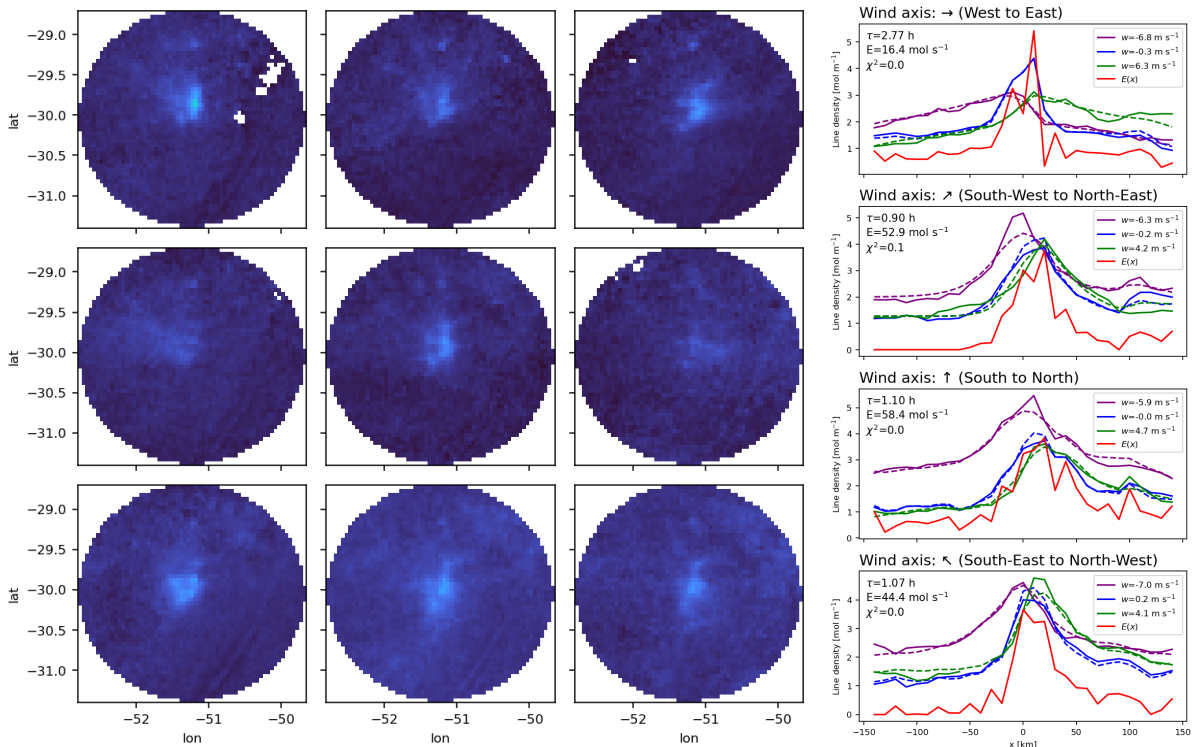
72.2 Spring



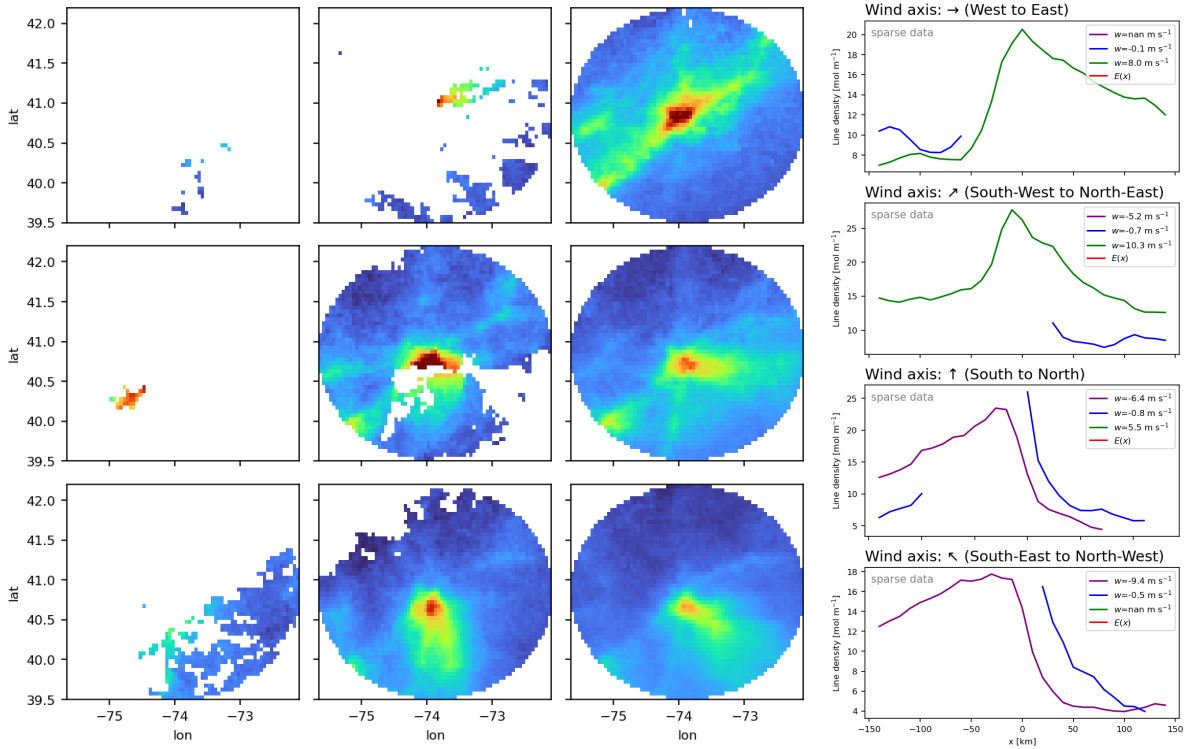
72.3 Summer



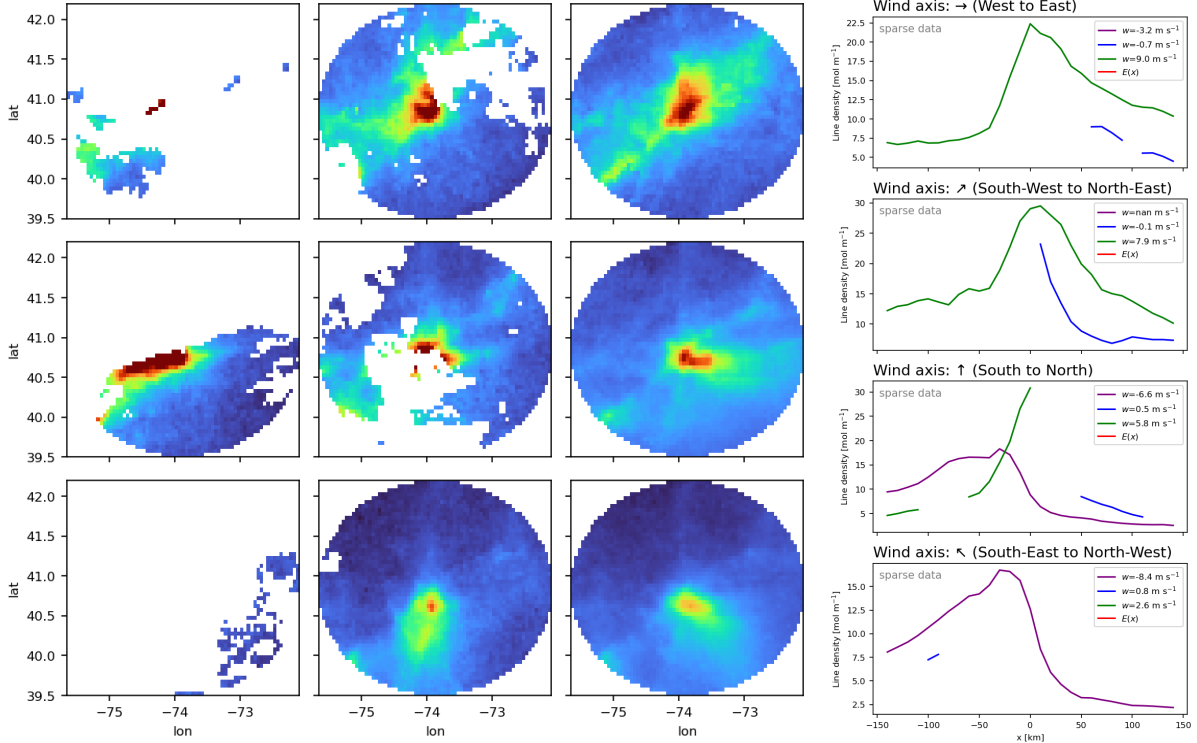
72.4 Autumn



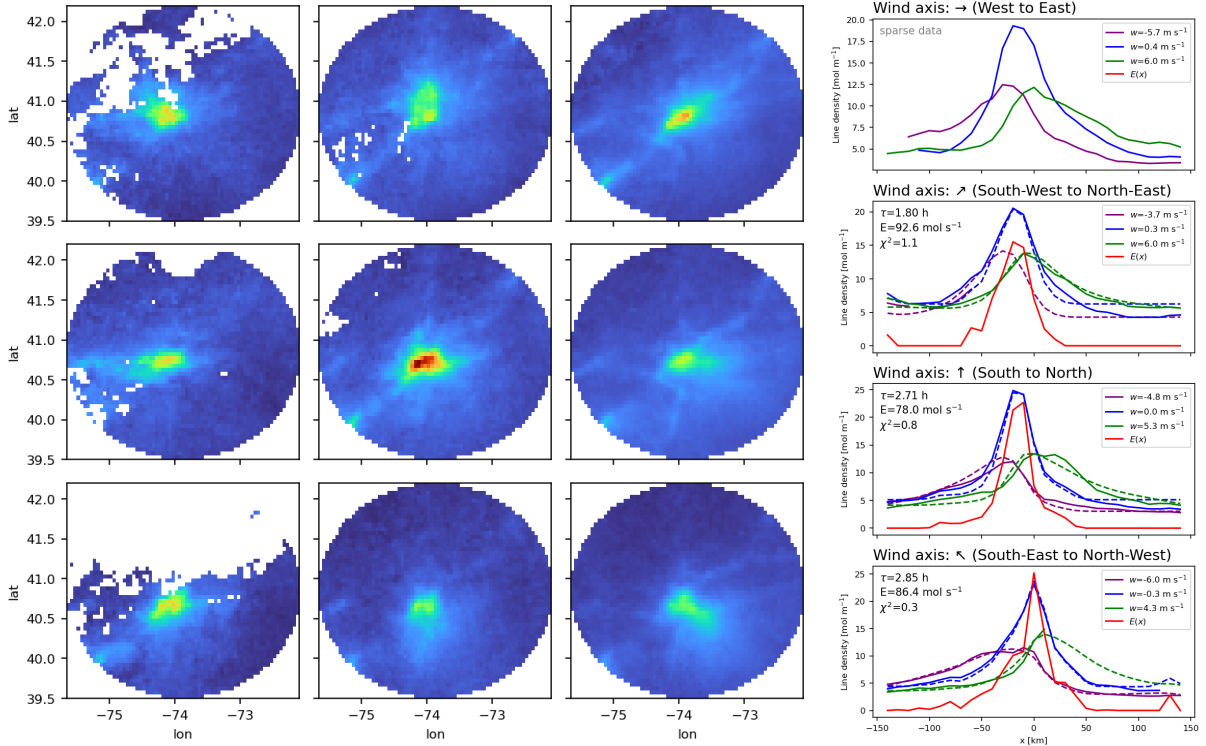
73.1 Winter



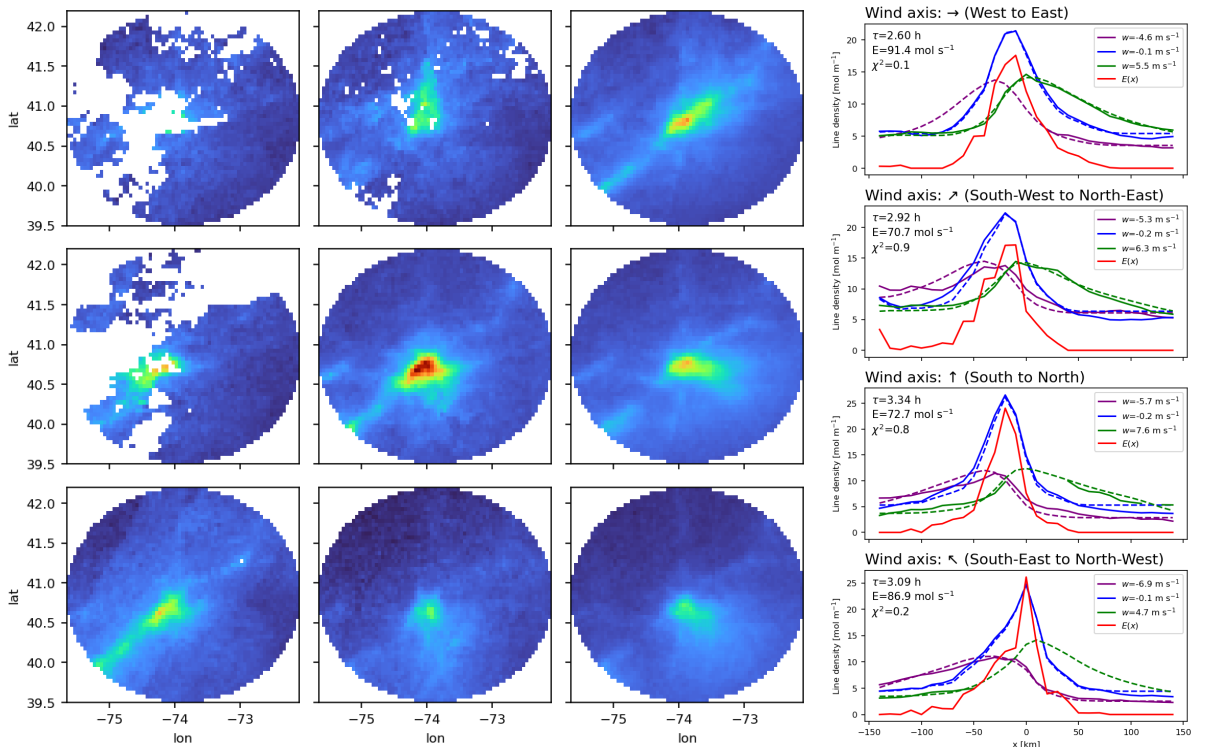
73.2 Spring



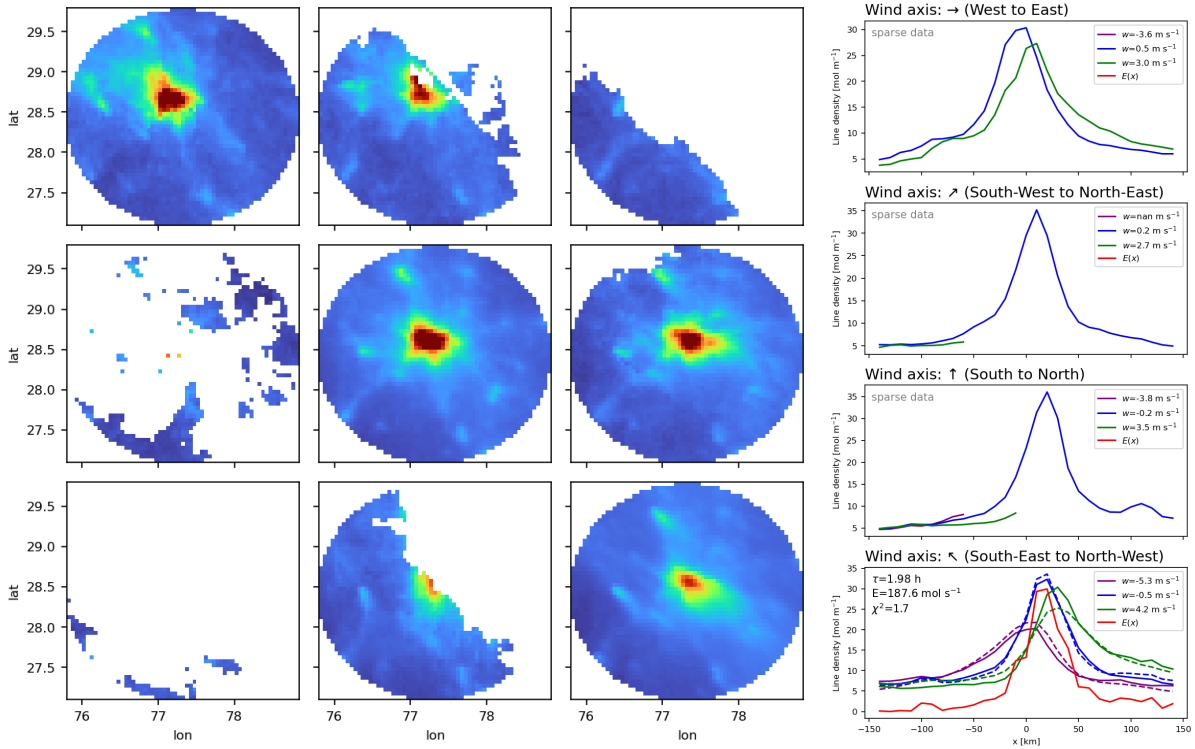
73.3 Summer



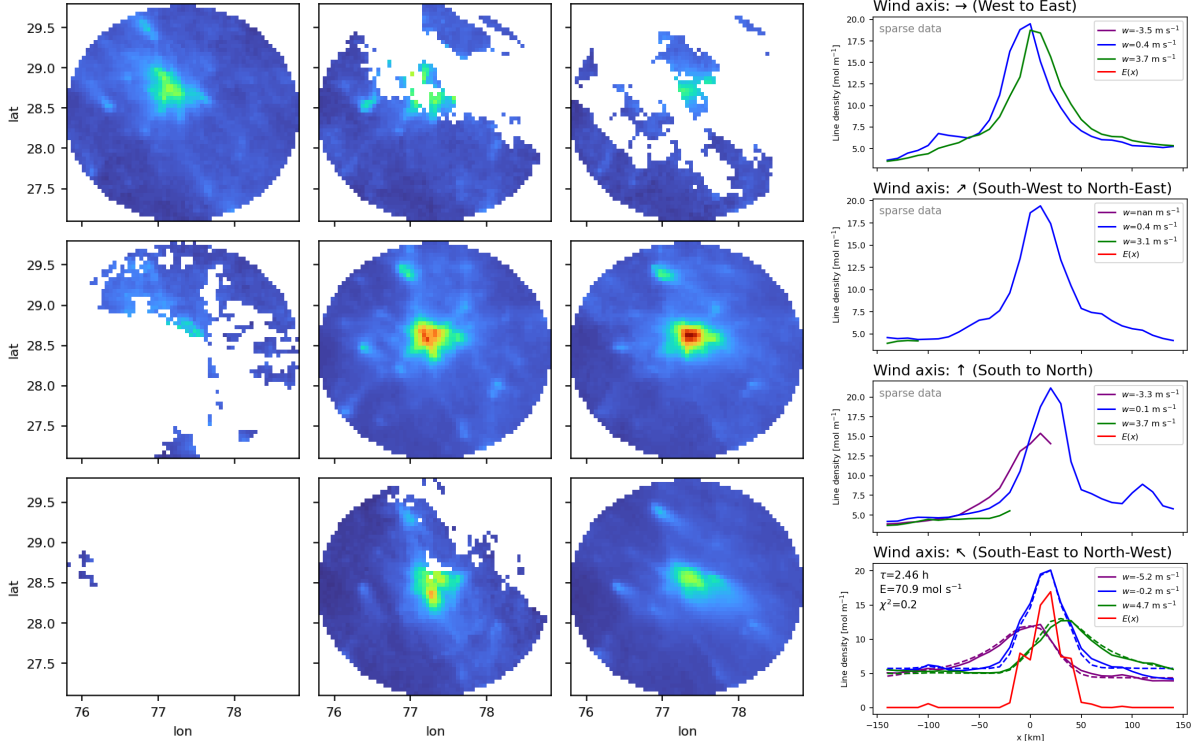
73.4 Autumn



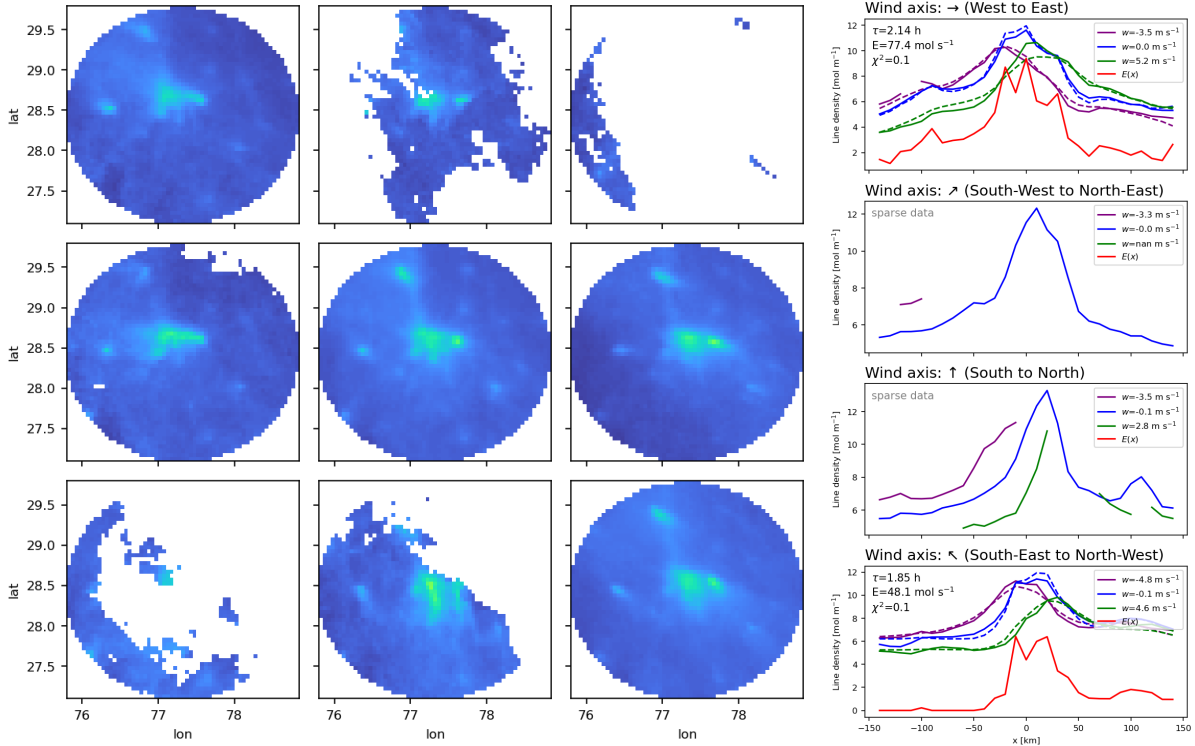
74.1 Winter



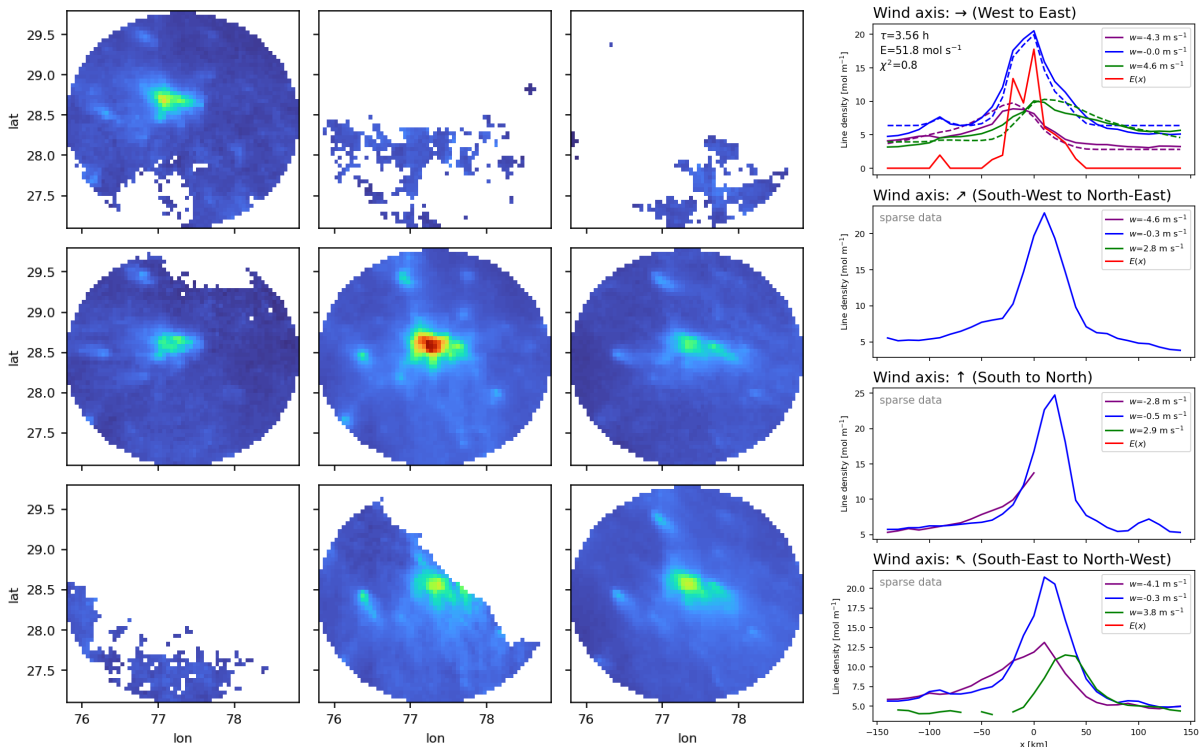
74.2 Spring



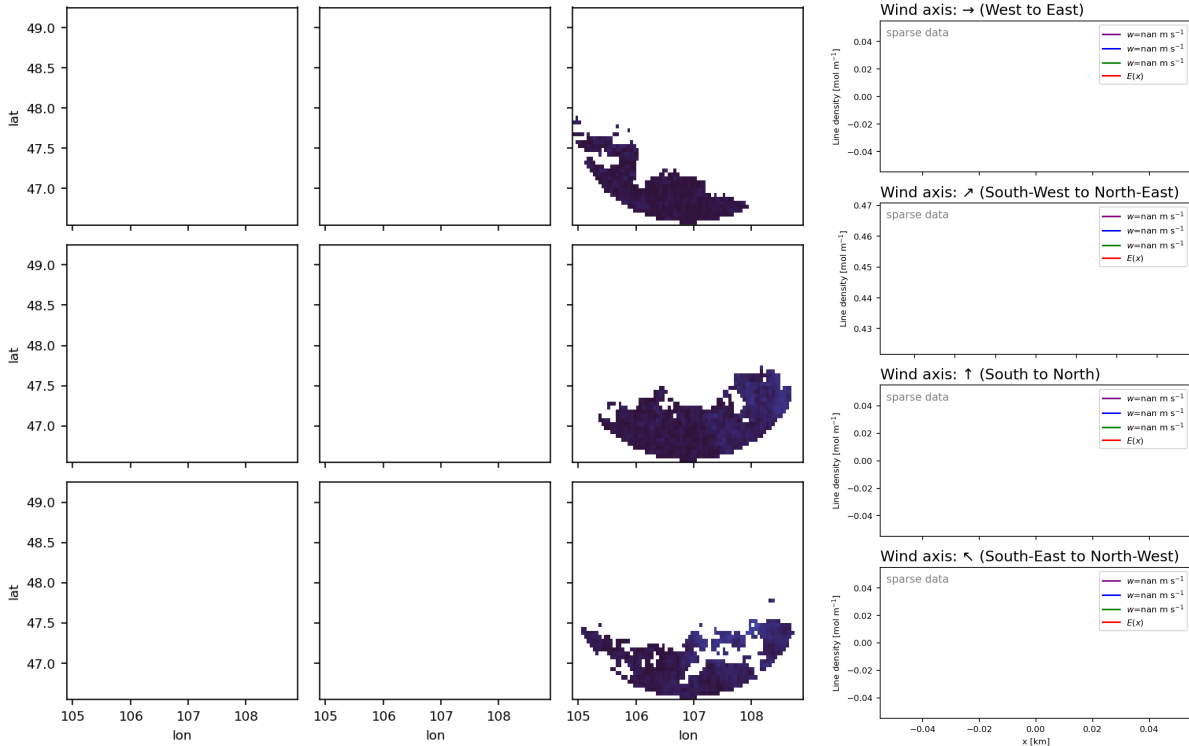
74.3 Summer



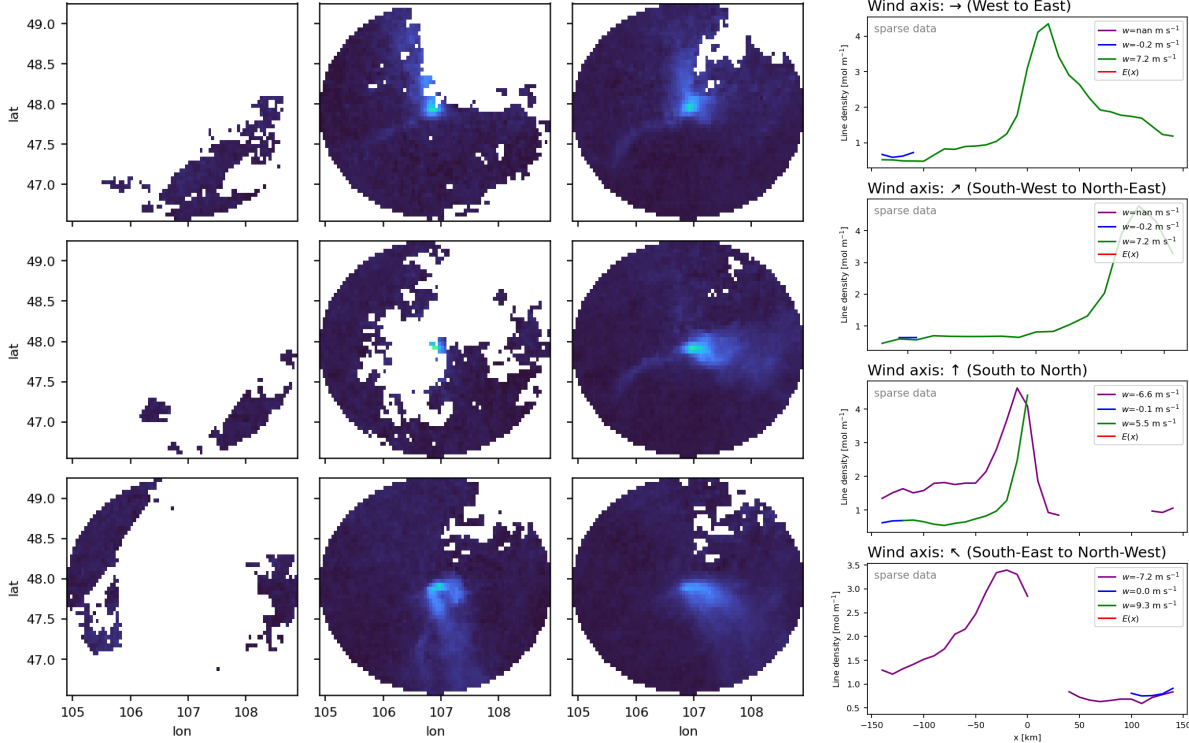
74.4 Autumn



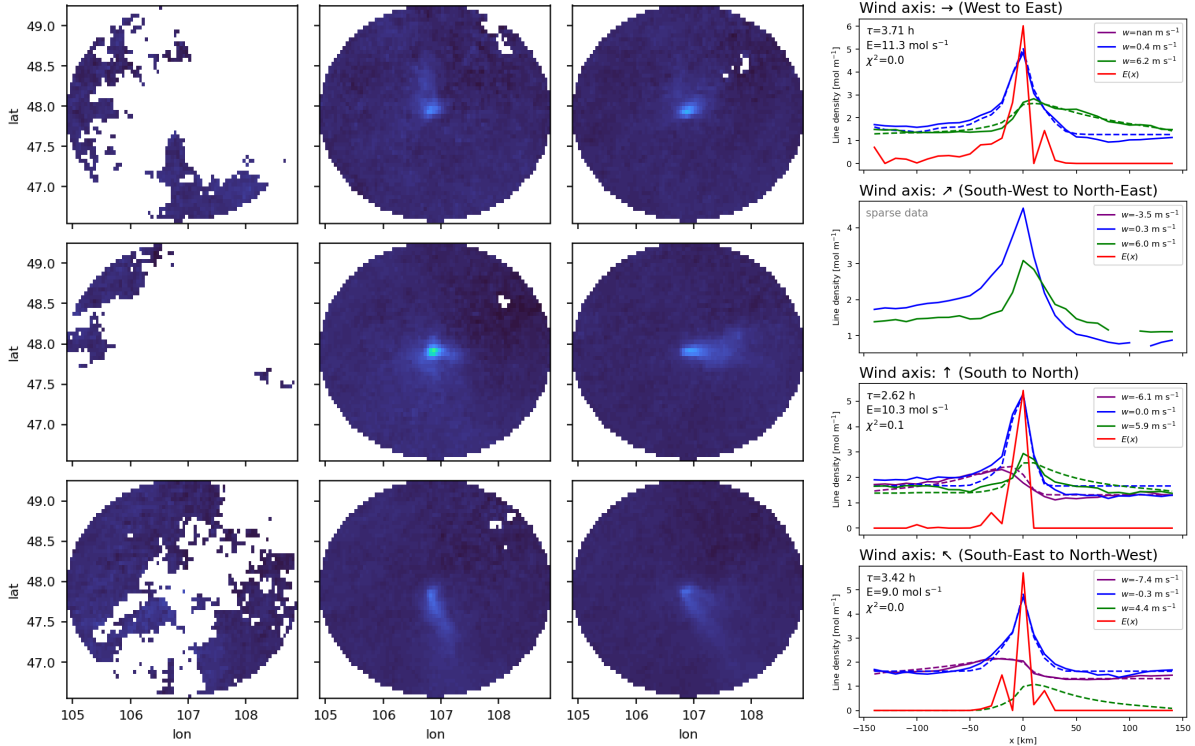
75.1 Winter



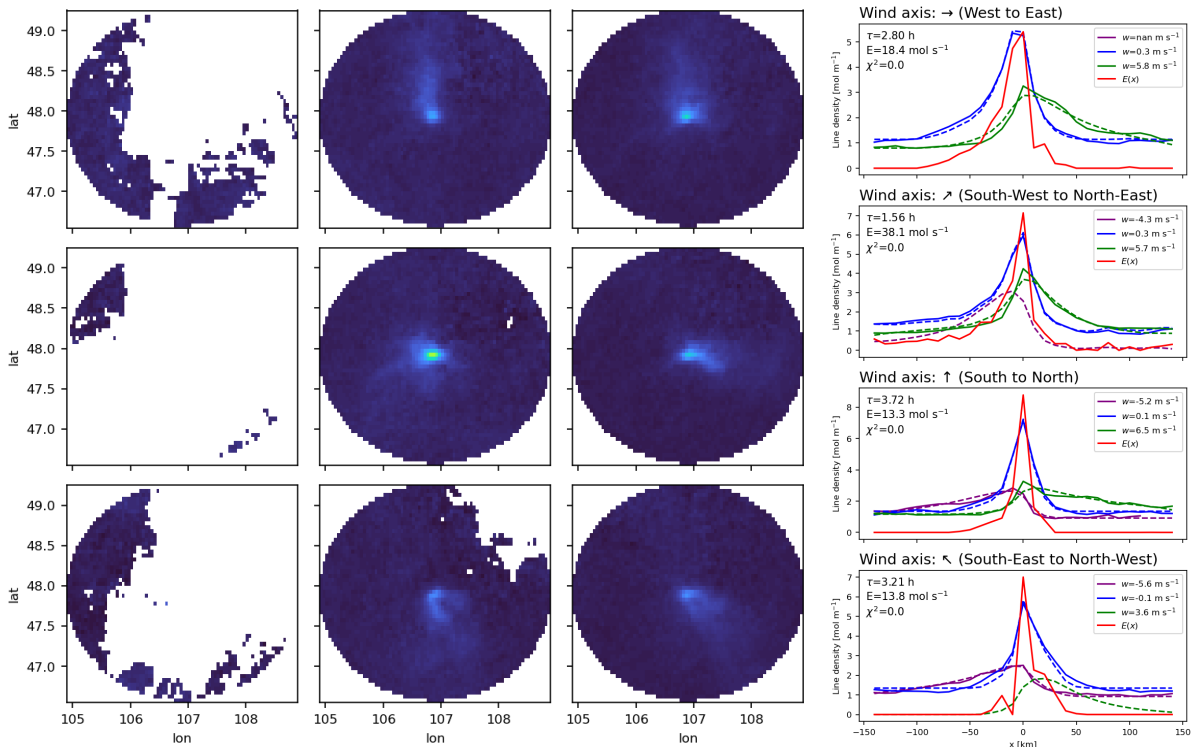
75.2 Spring



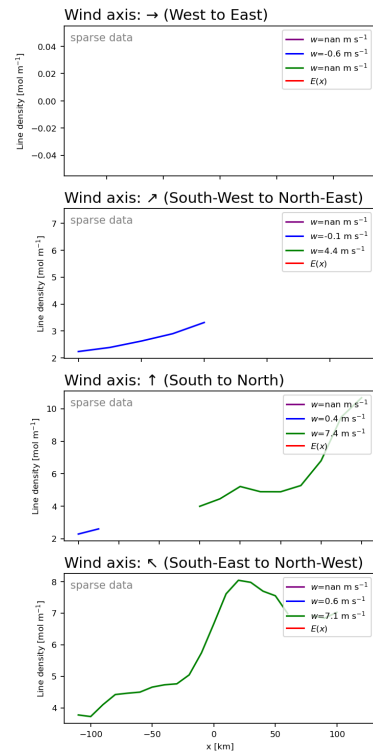
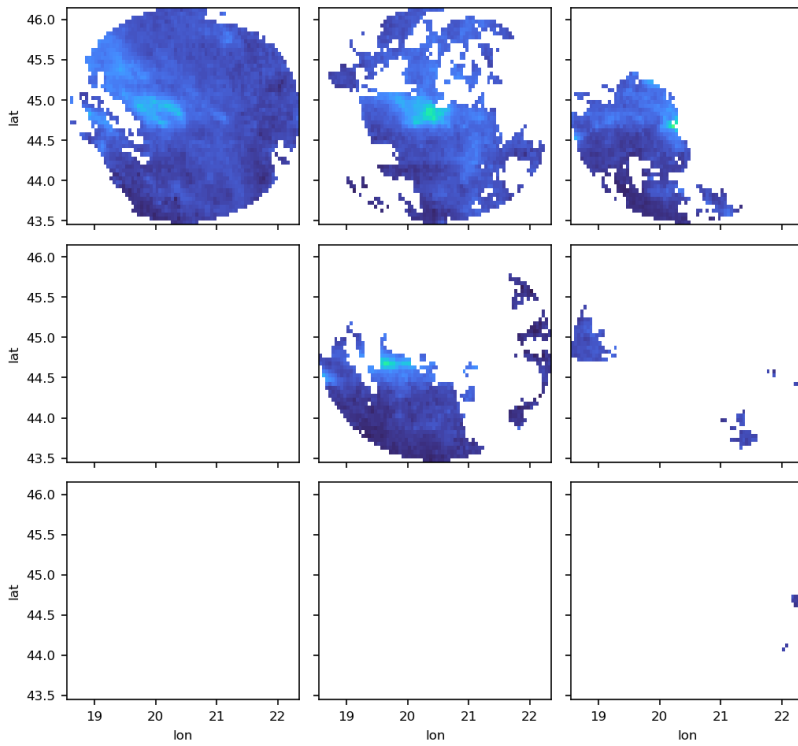
75.3 Summer



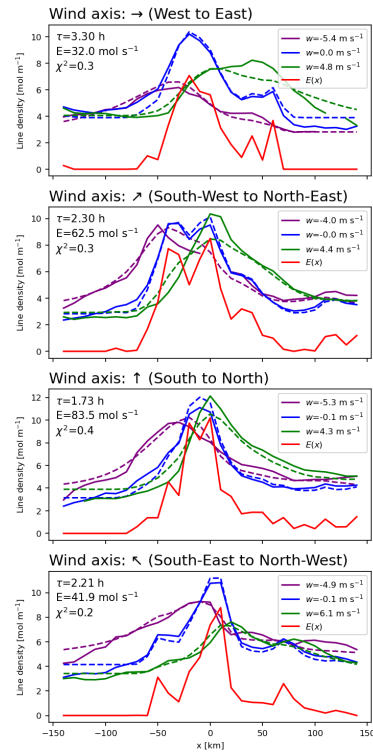
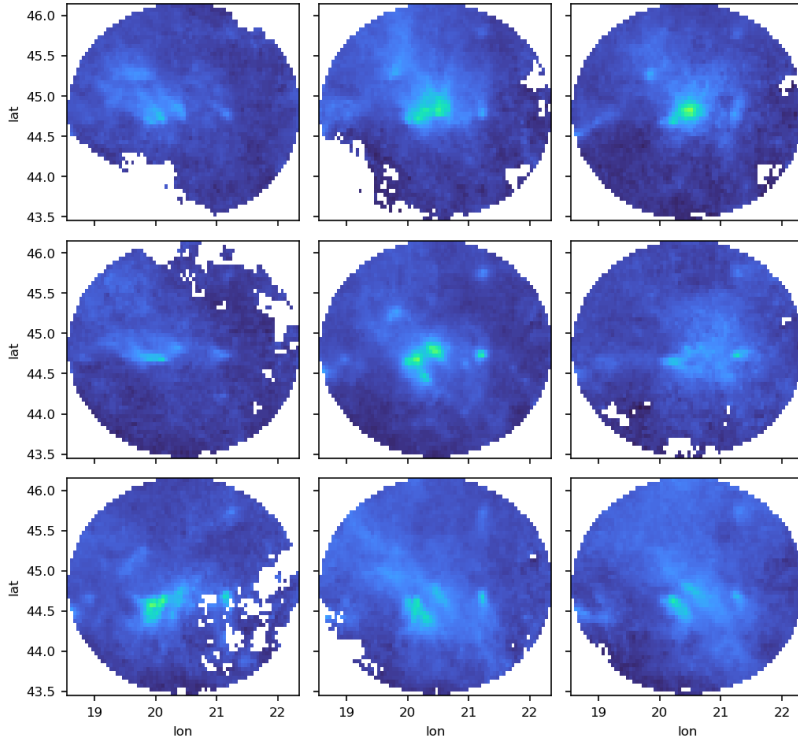
75.4 Autumn



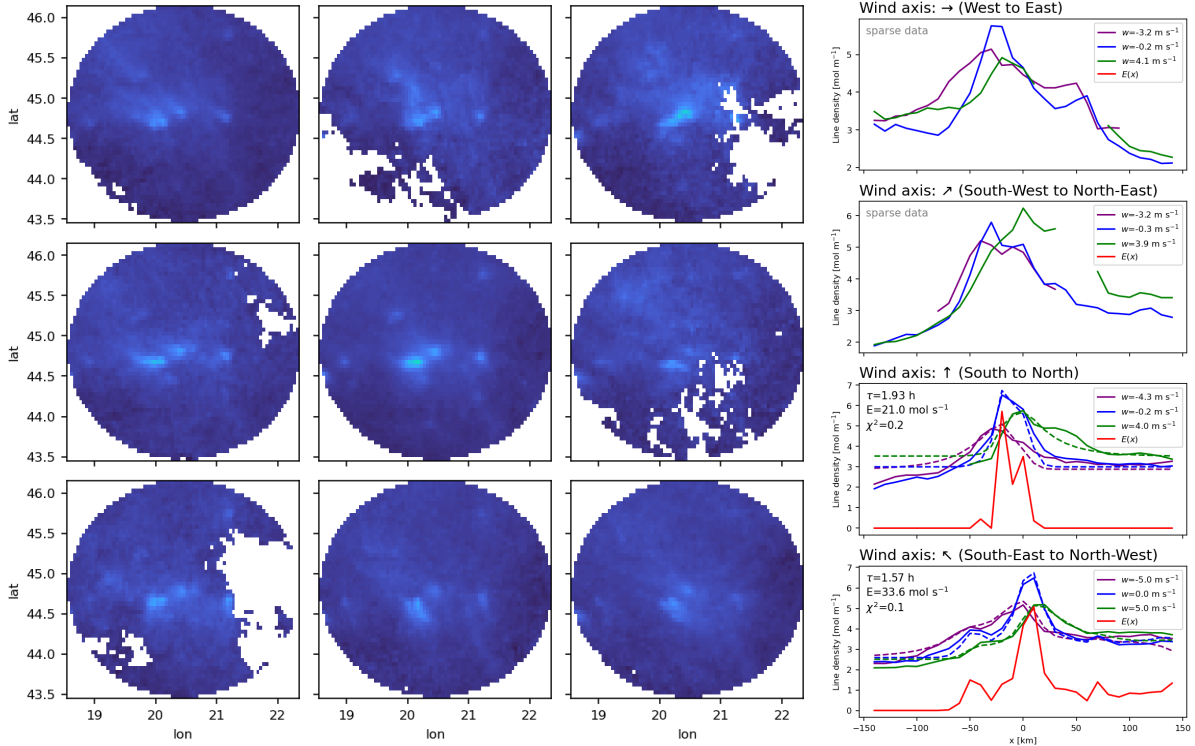
76.1 Winter



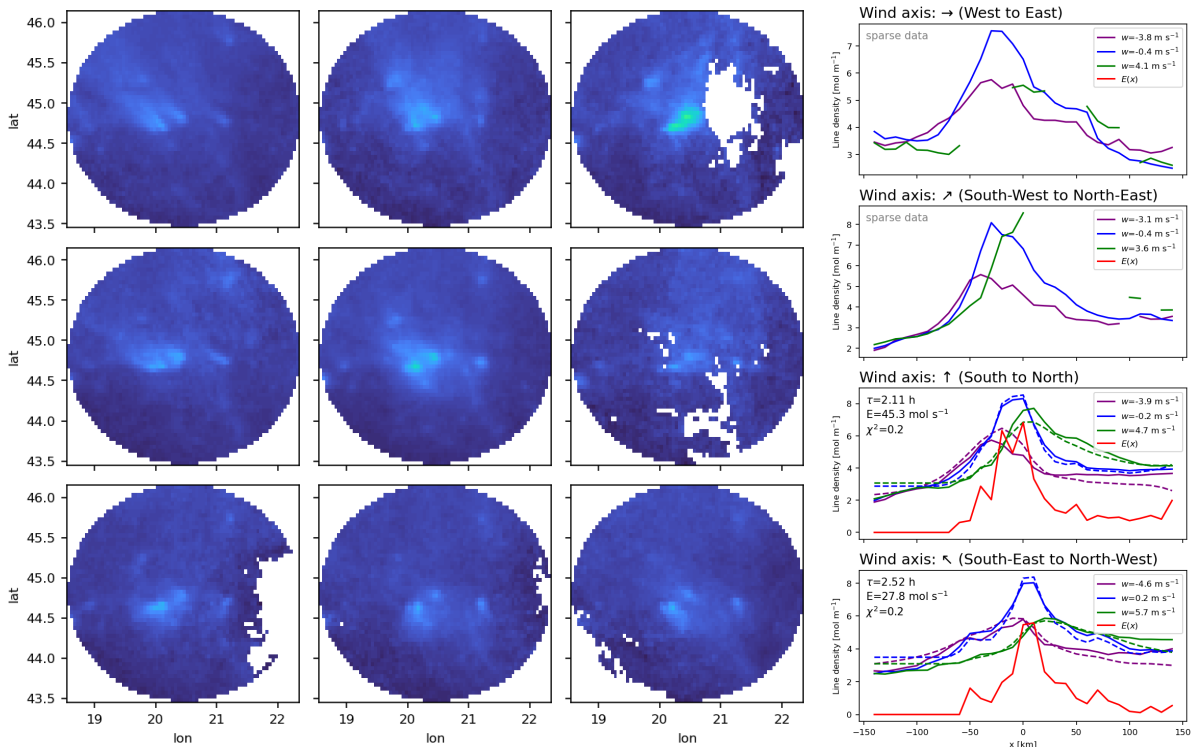
76.2 Spring



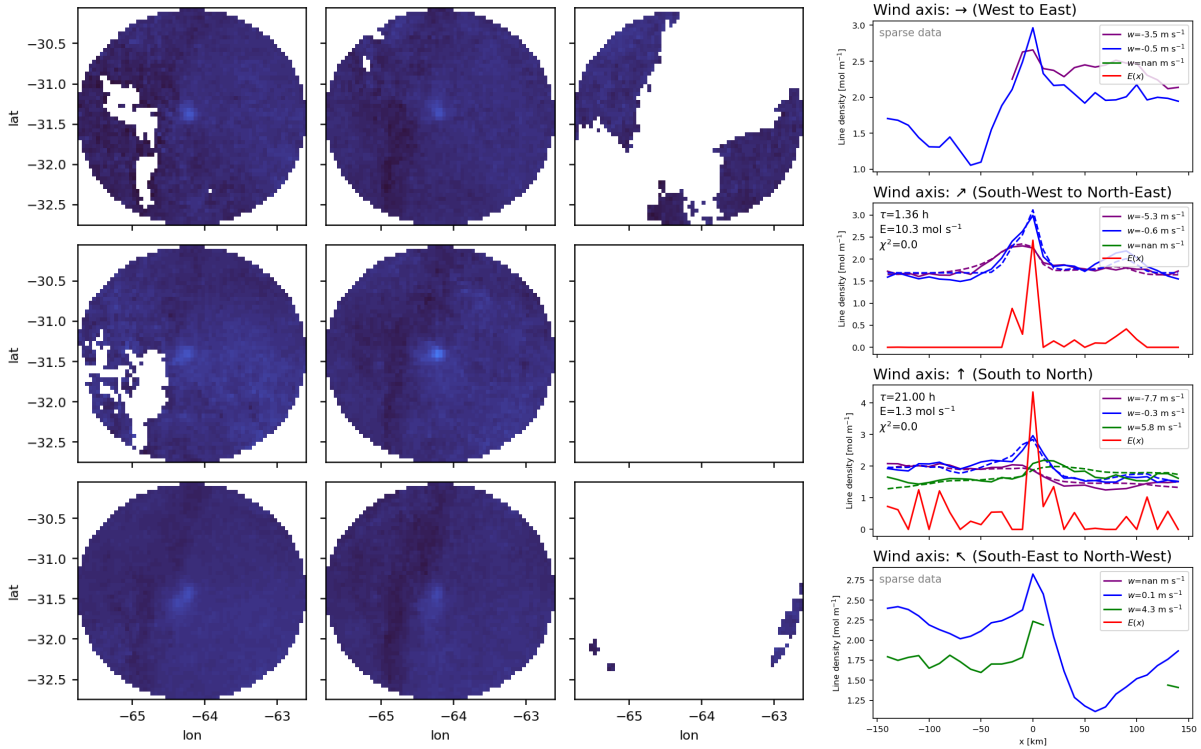
76.3 Summer



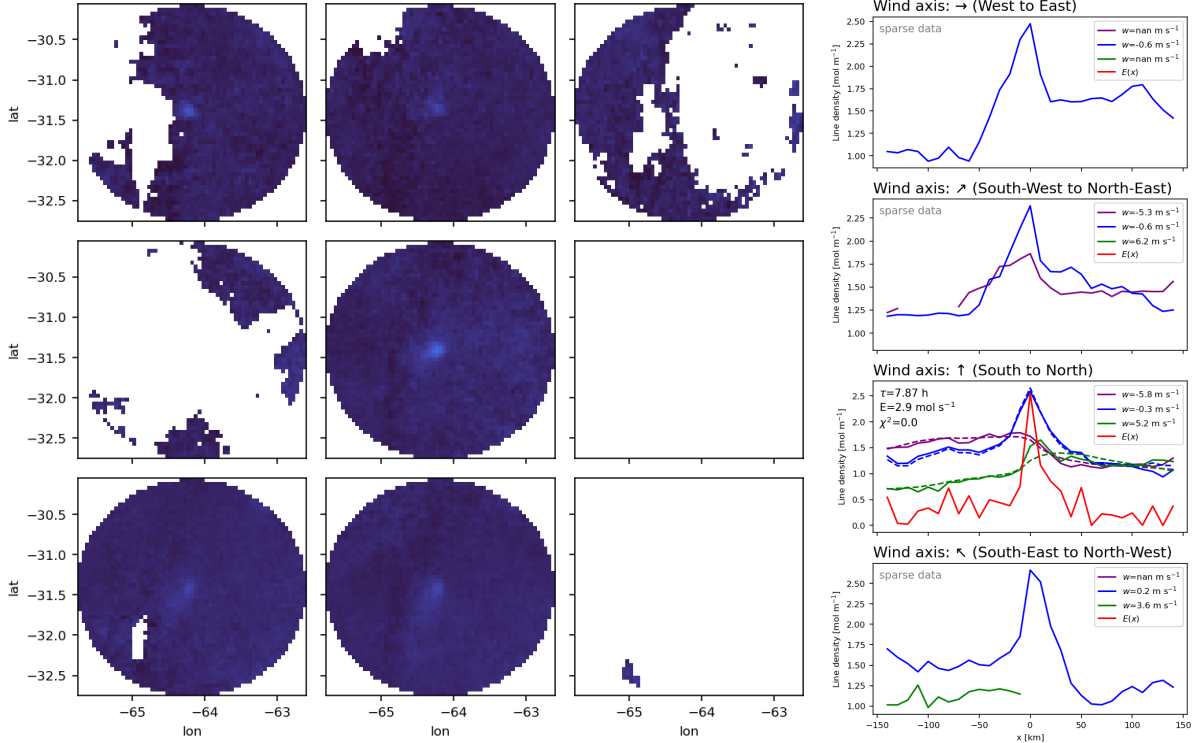
76.4 Autumn



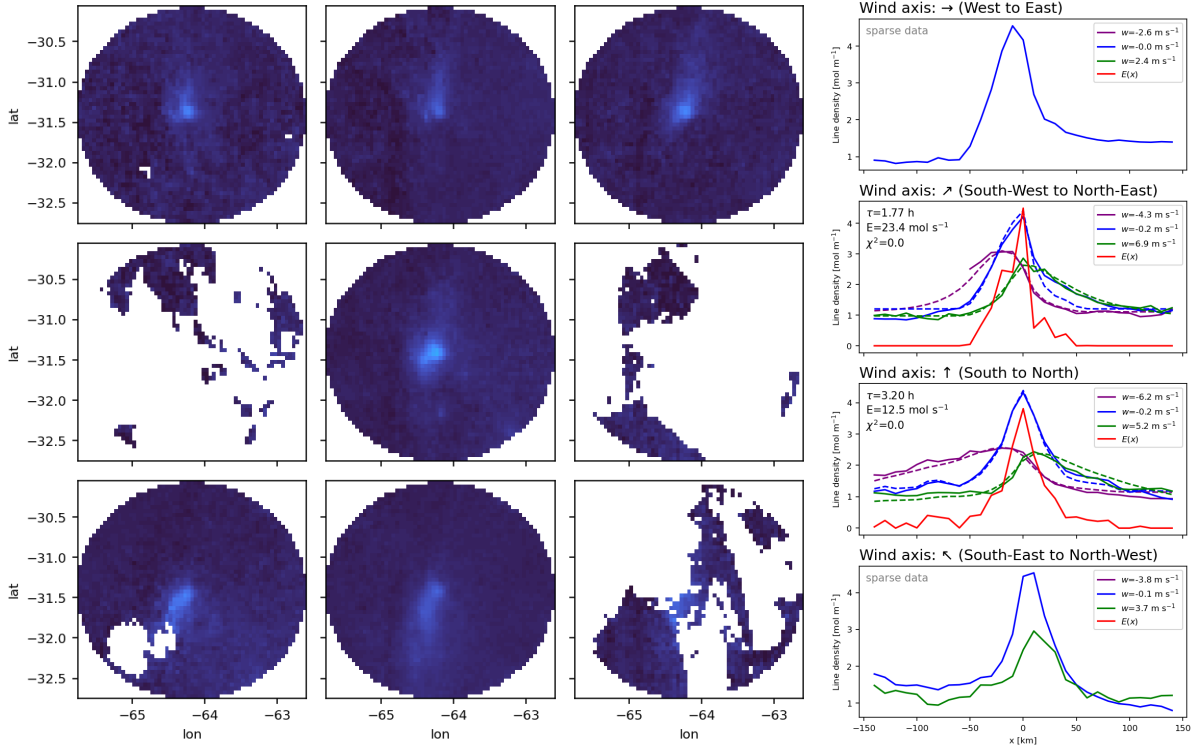
77.1 Winter



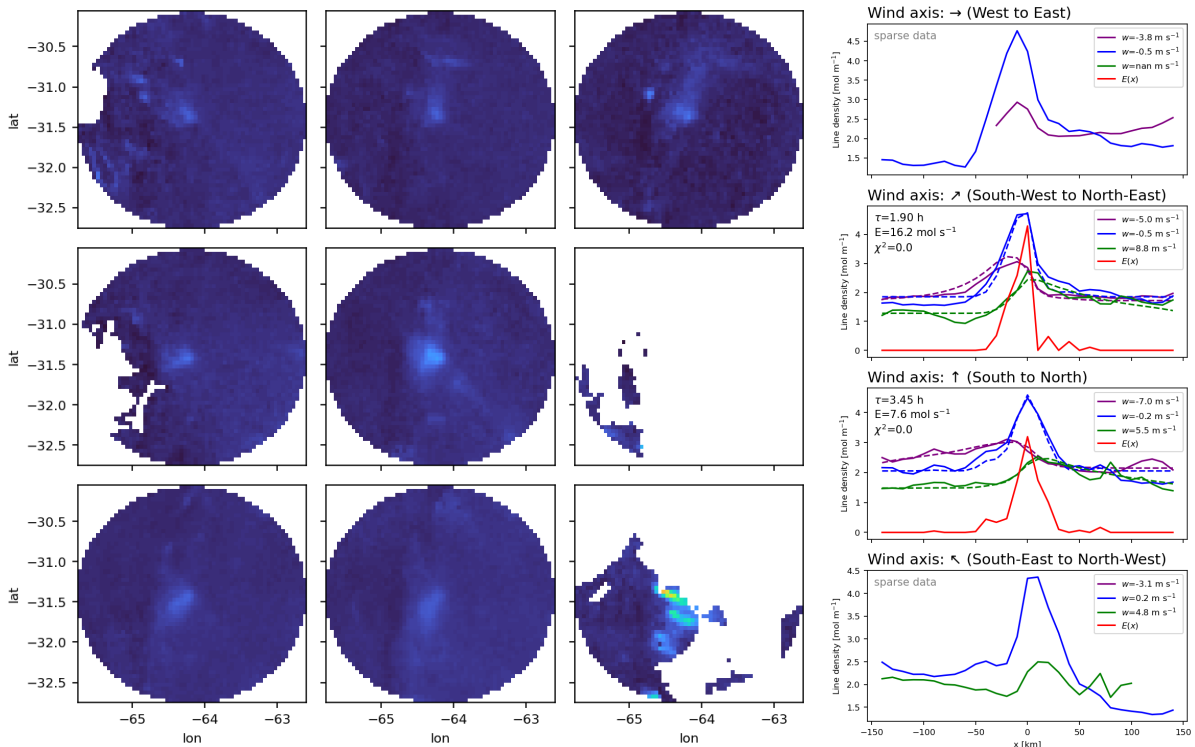
77.2 Spring



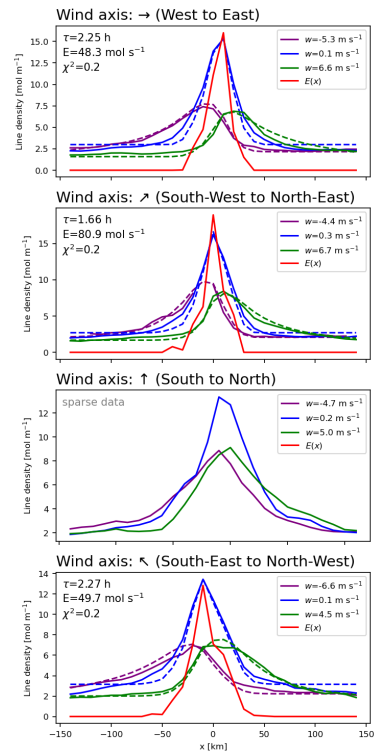
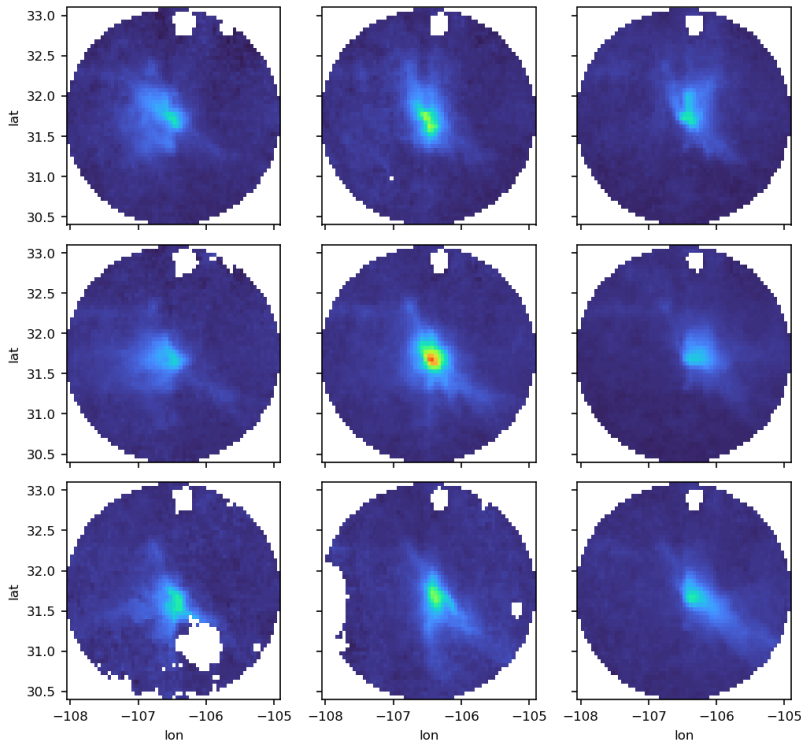
77.3 Summer



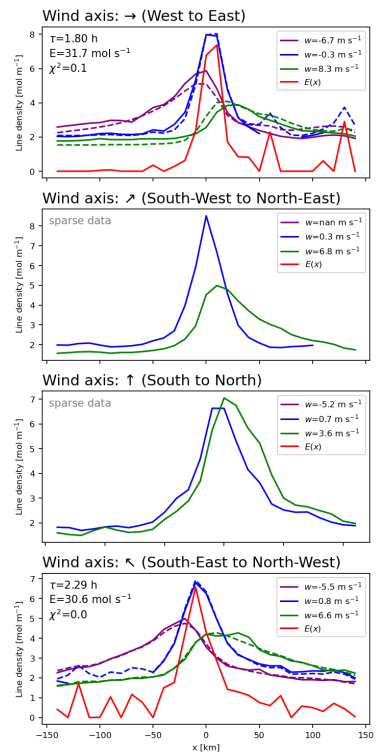
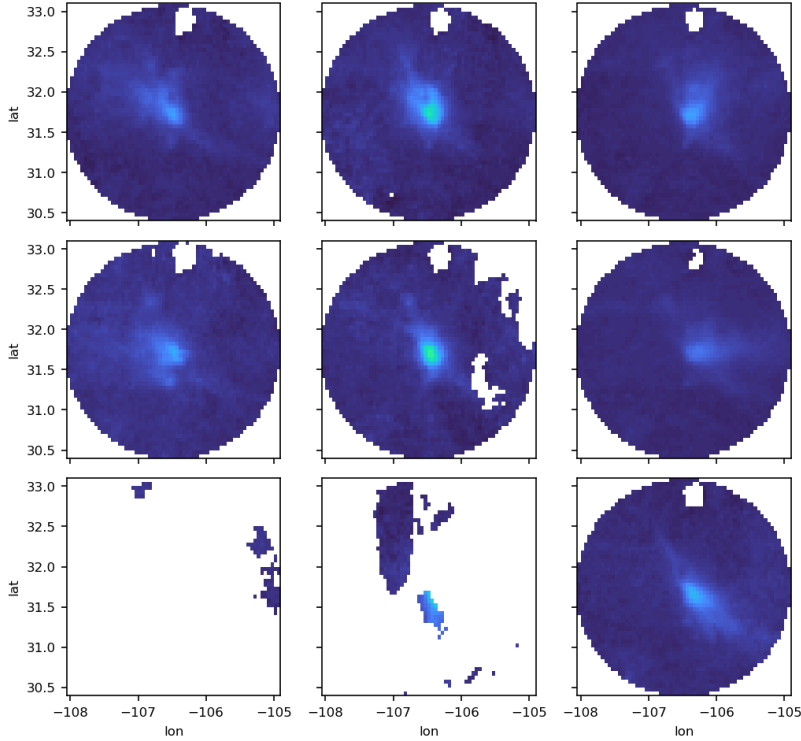
77.4 Autumn



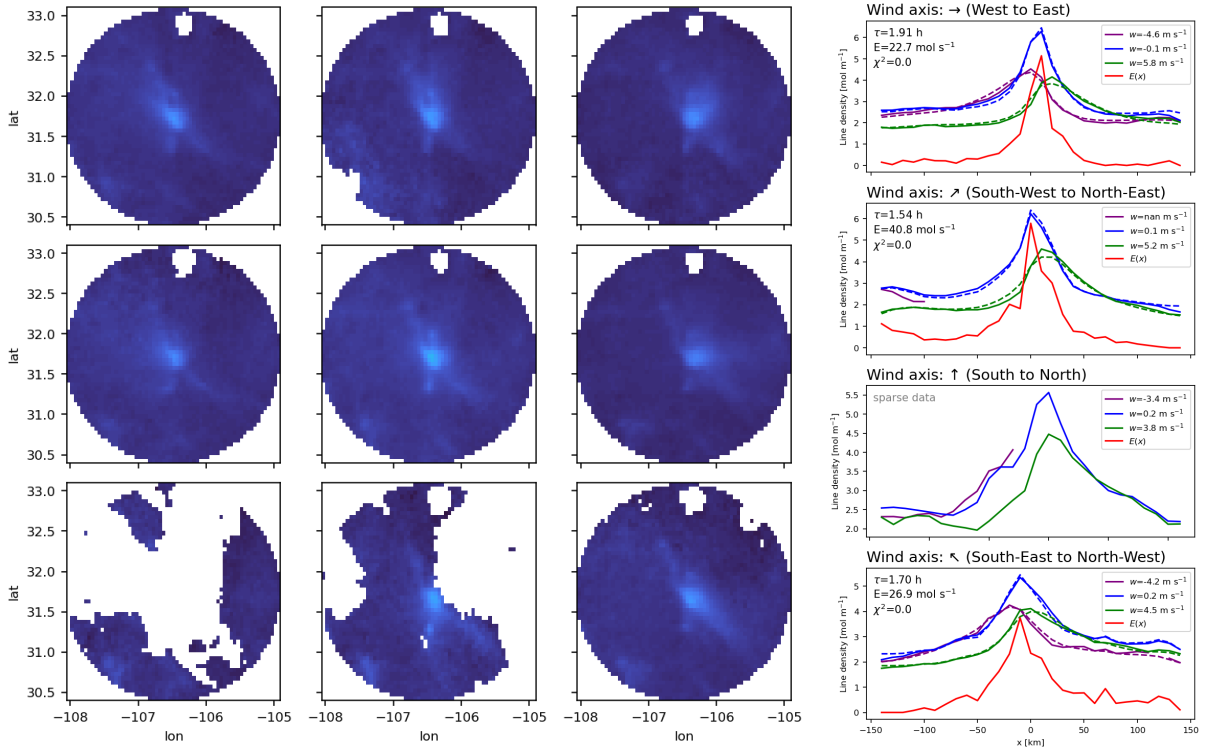
78.1 Winter



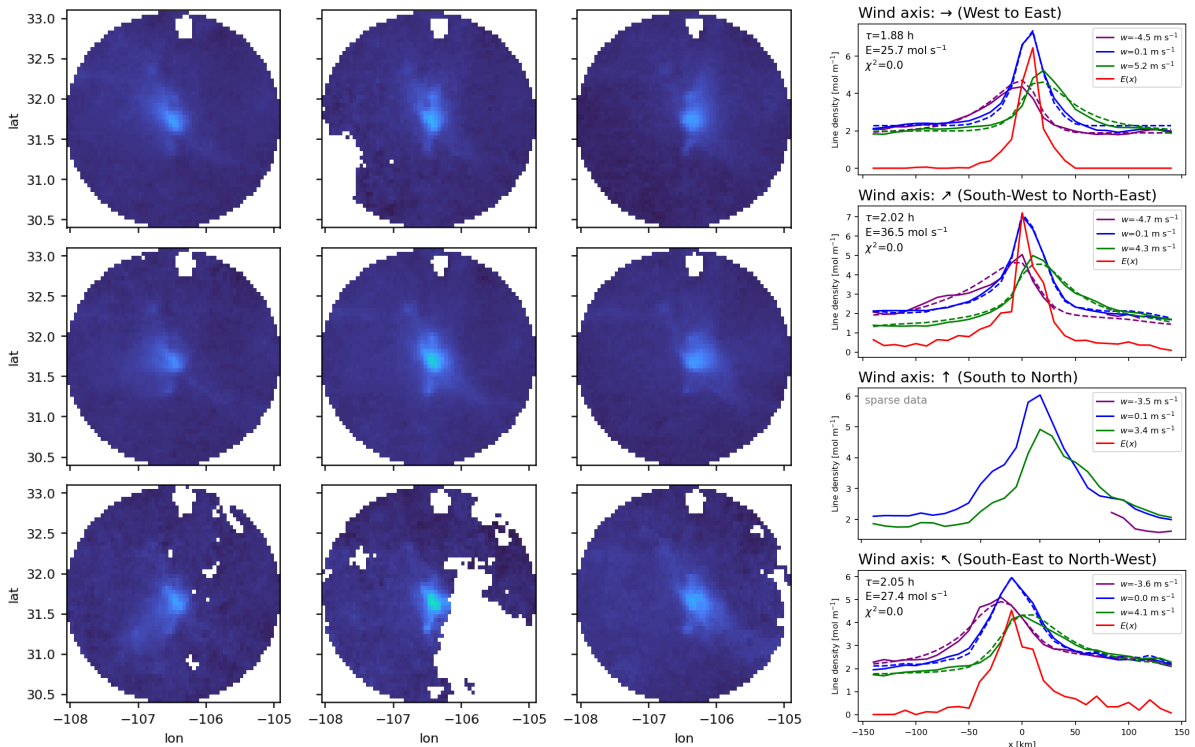
78.2 Spring



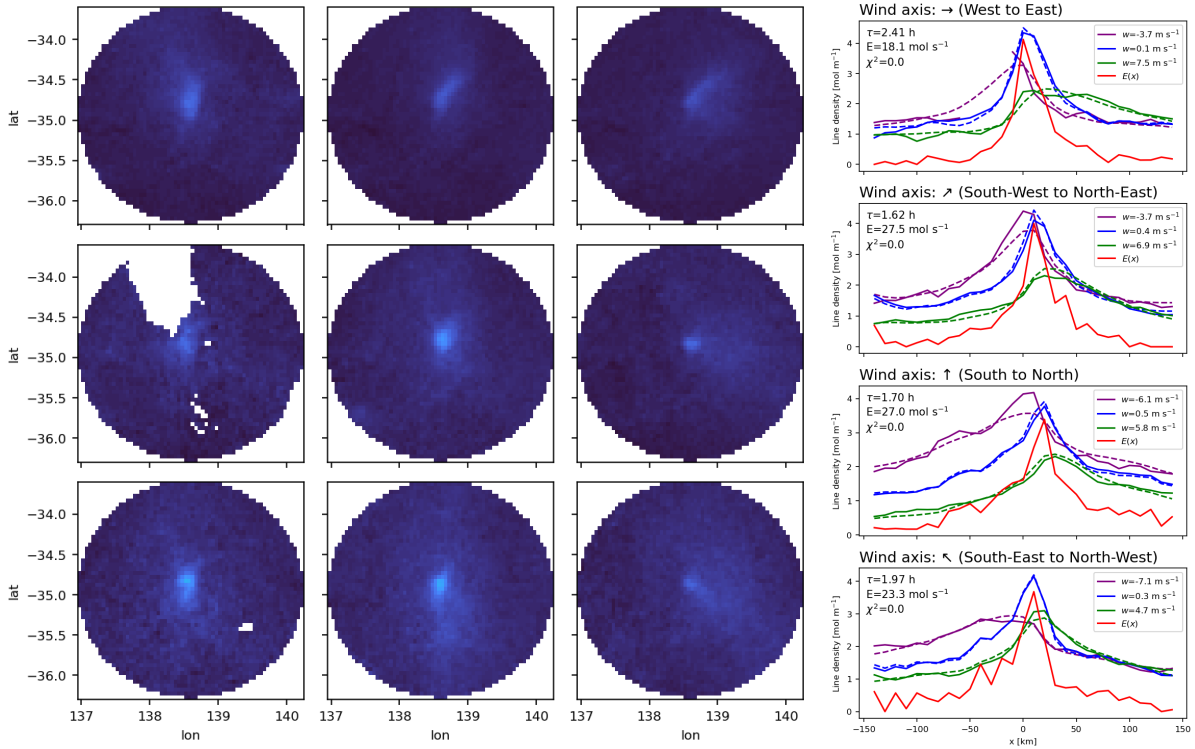
78.3 Summer



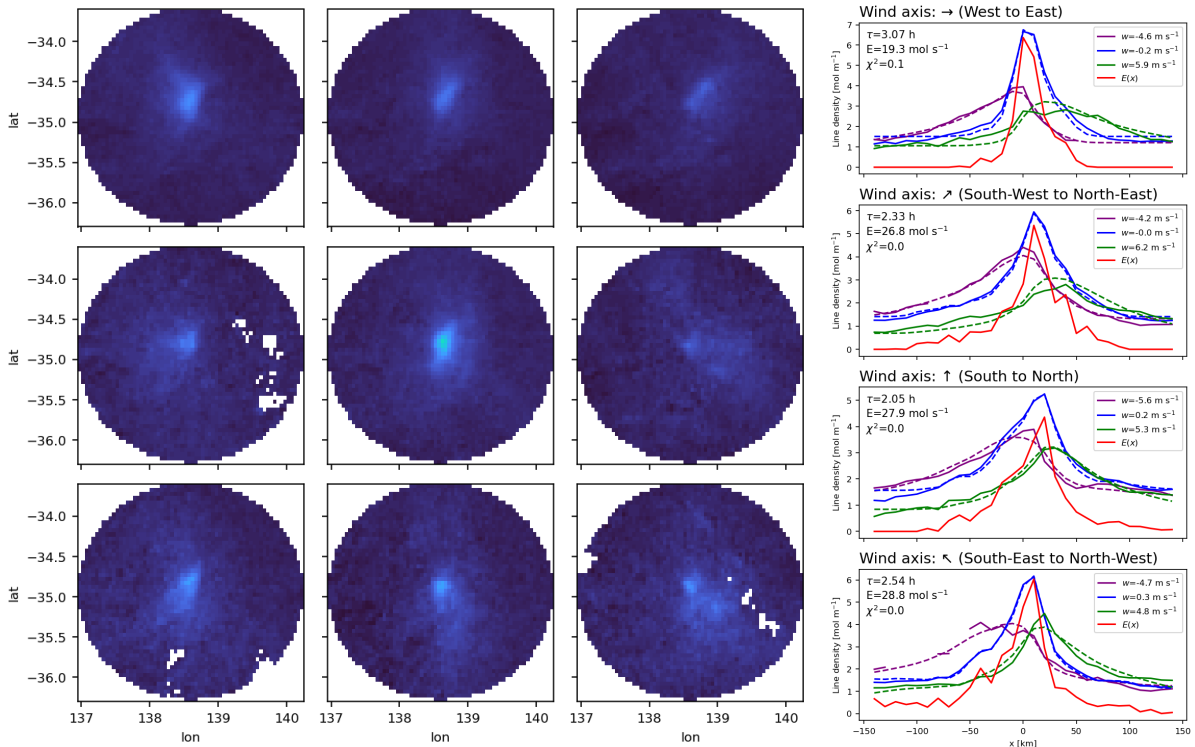
78.4 Autumn



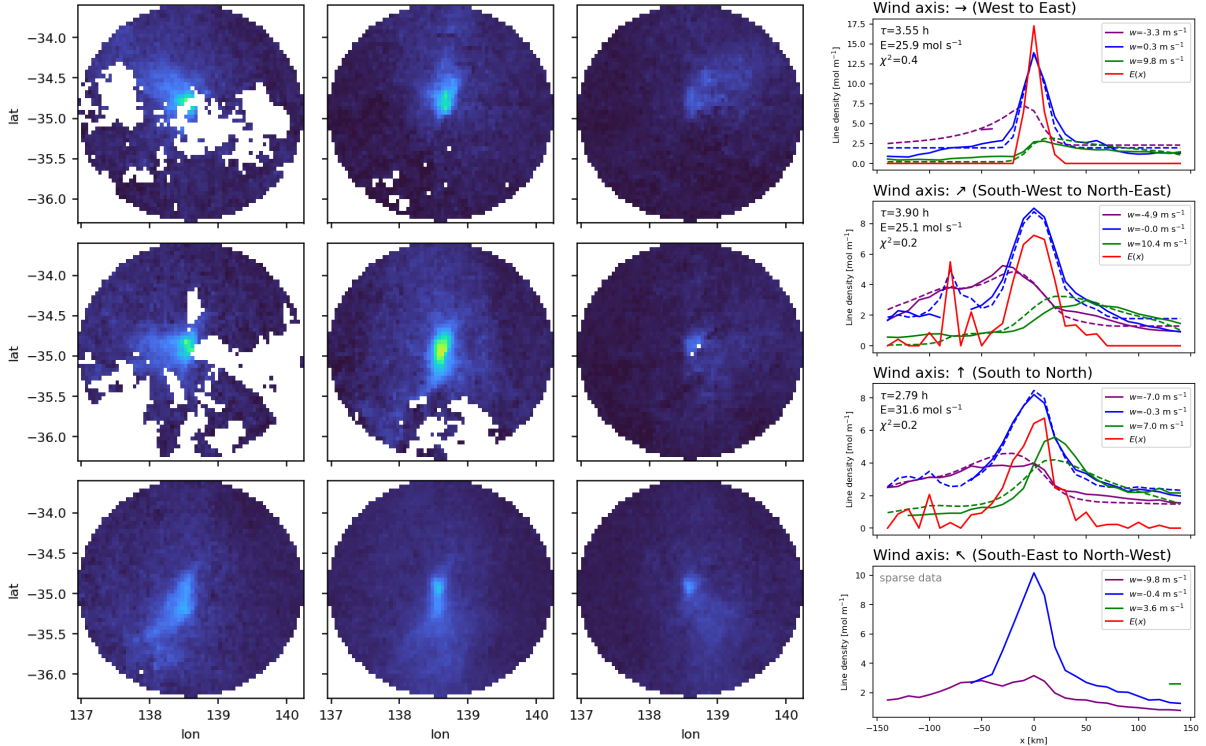
79.1 Winter



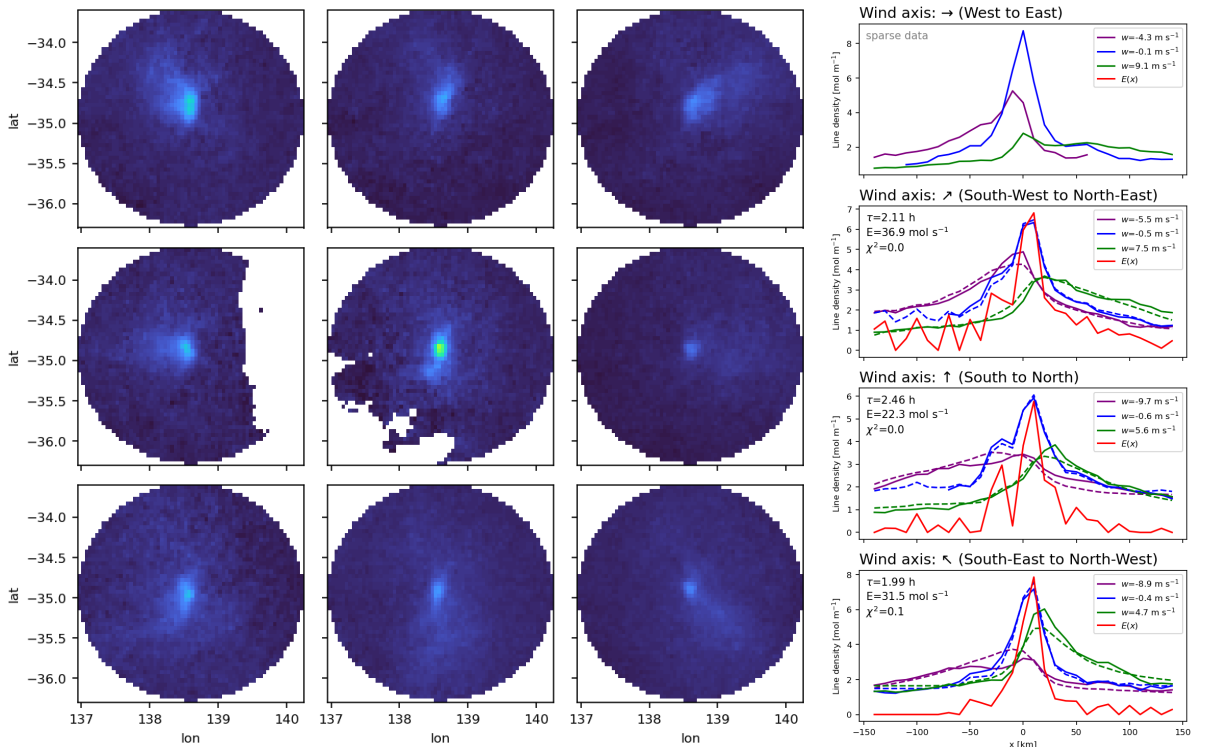
79.2 Spring



79.3 Summer

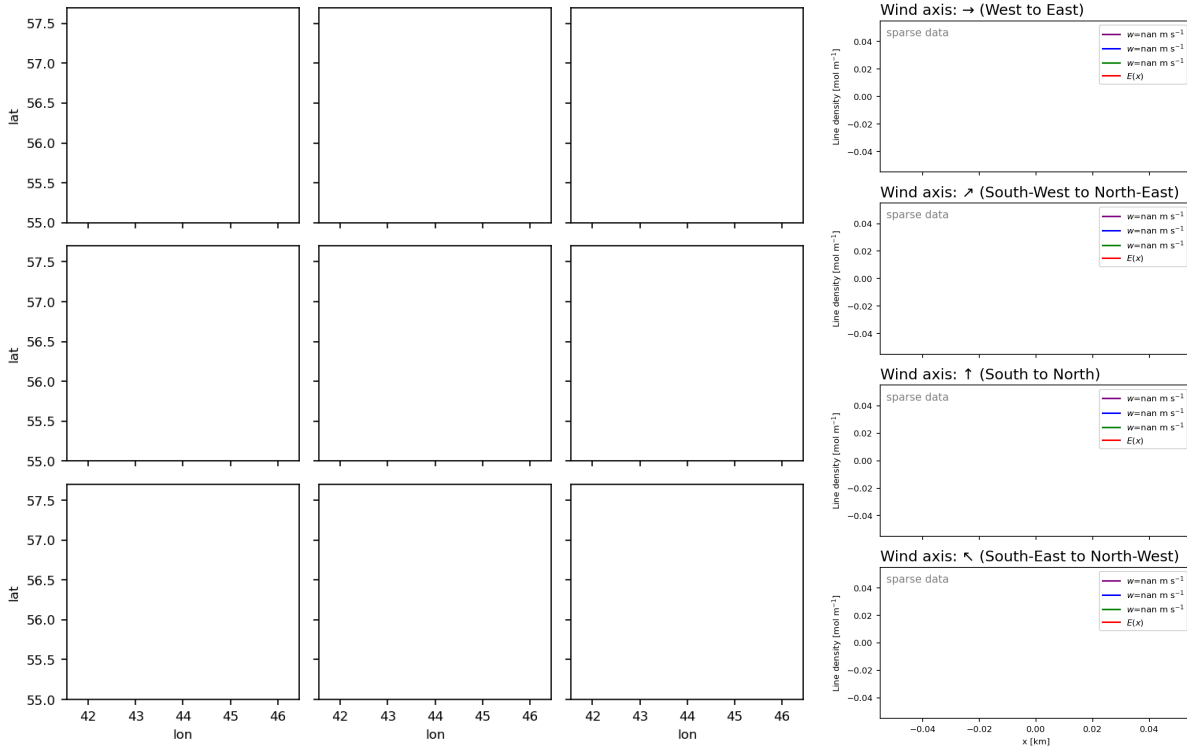


79.4 Autumn

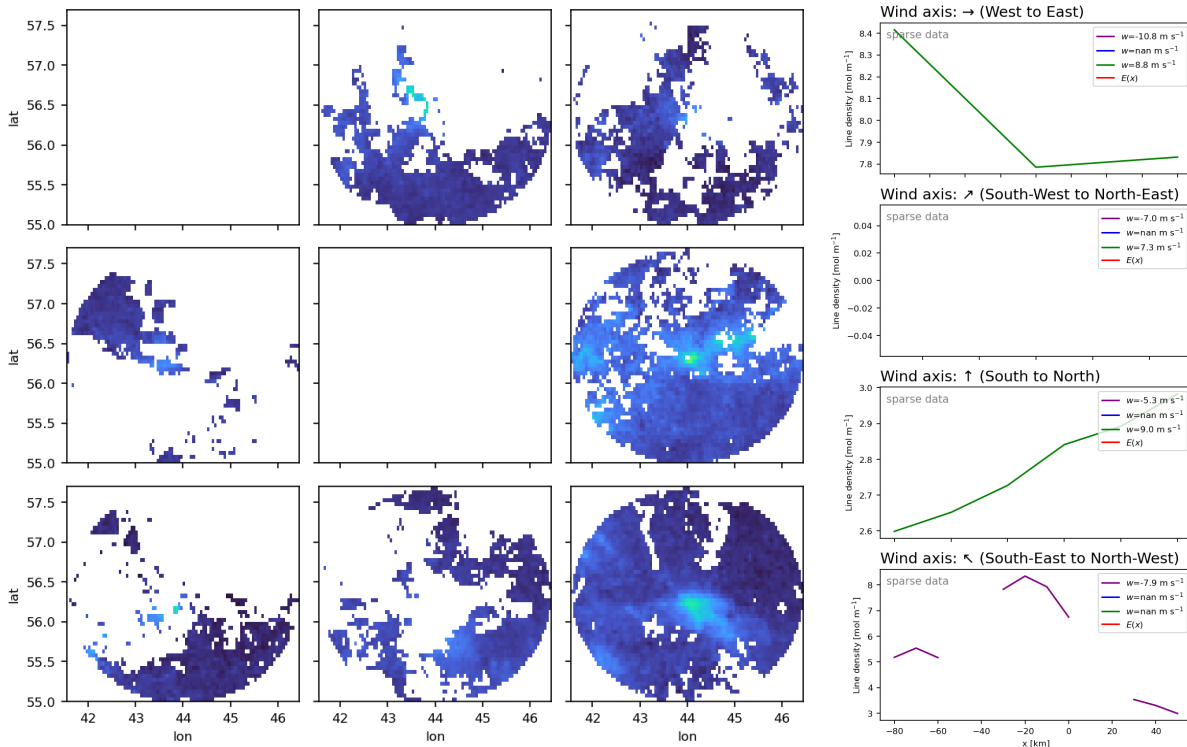


80 Nizhniy Novgorod

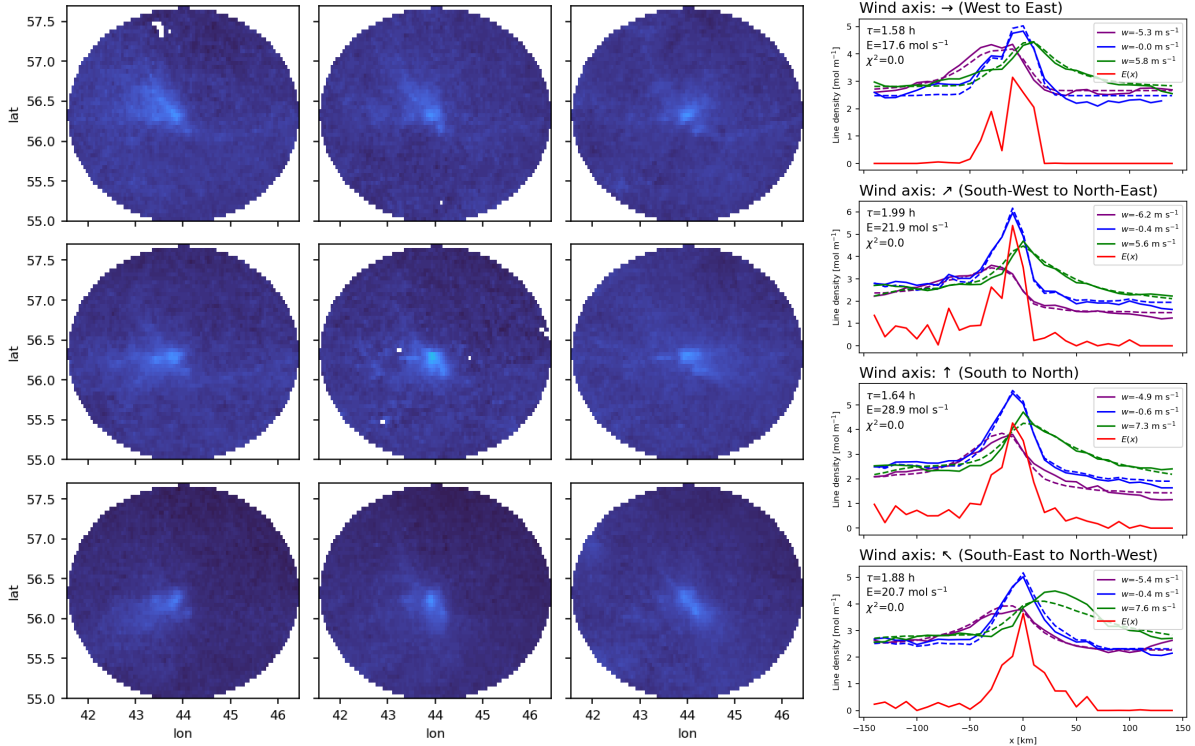
80.1 Winter



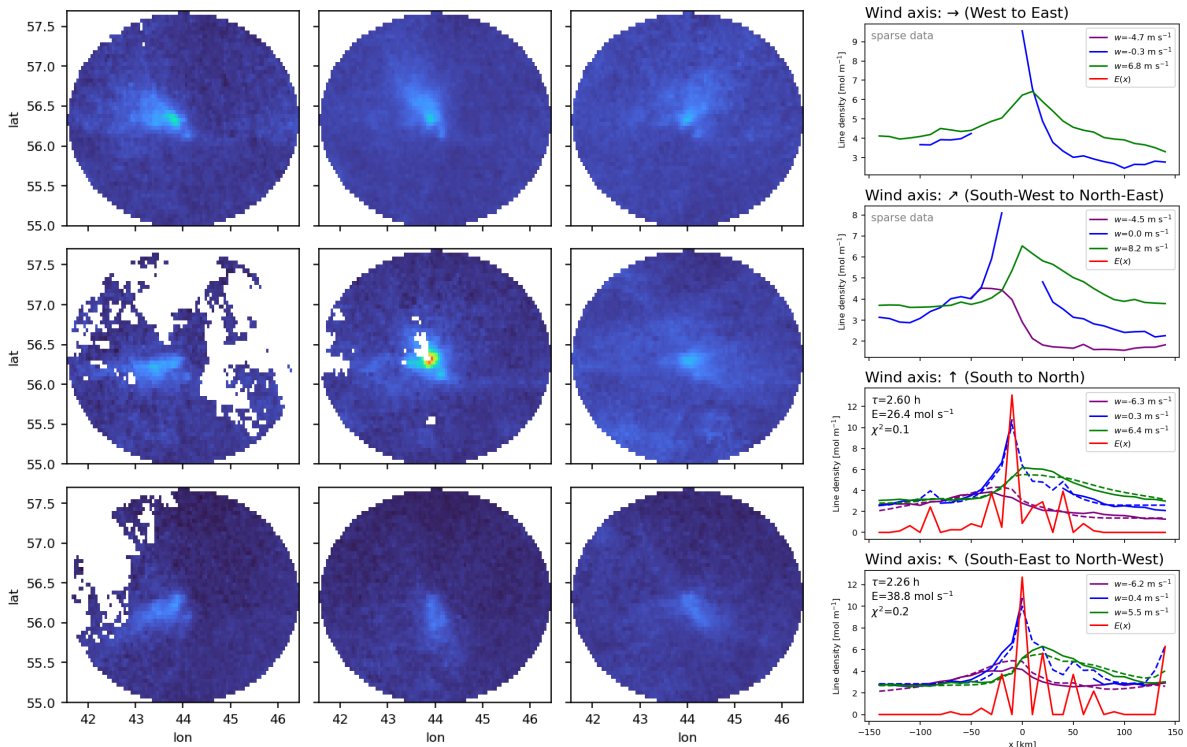
80.2 Spring



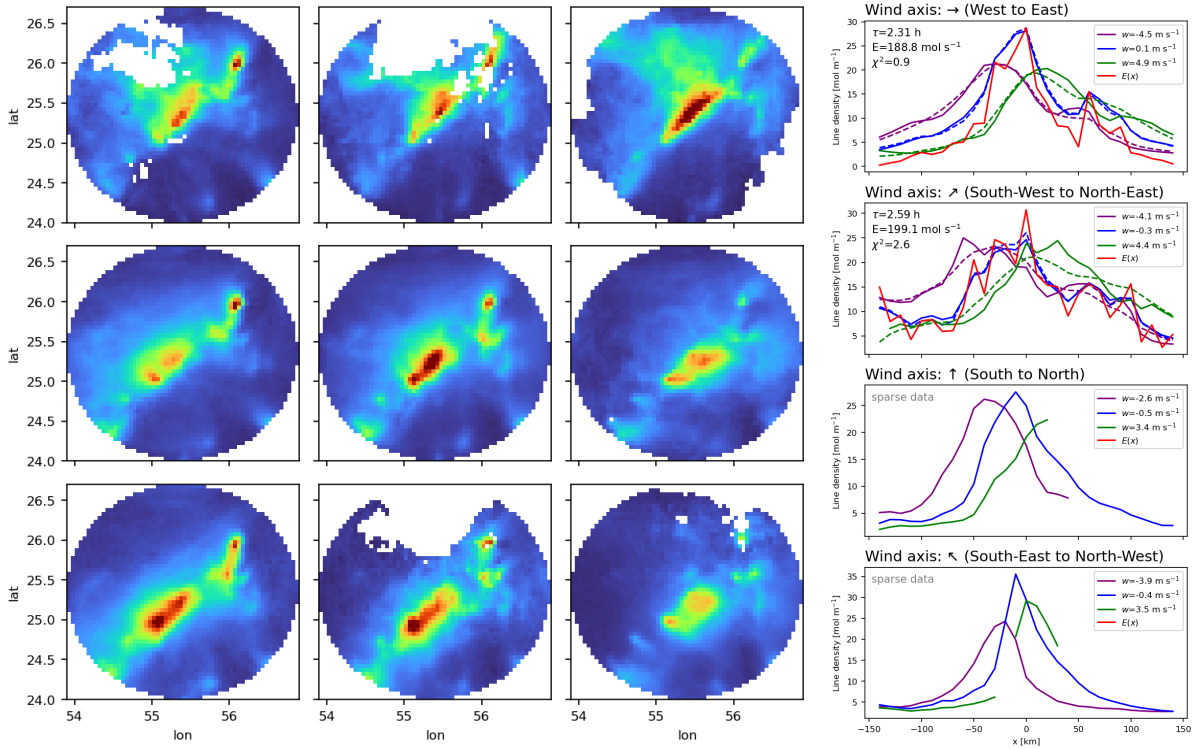
80.3 Summer



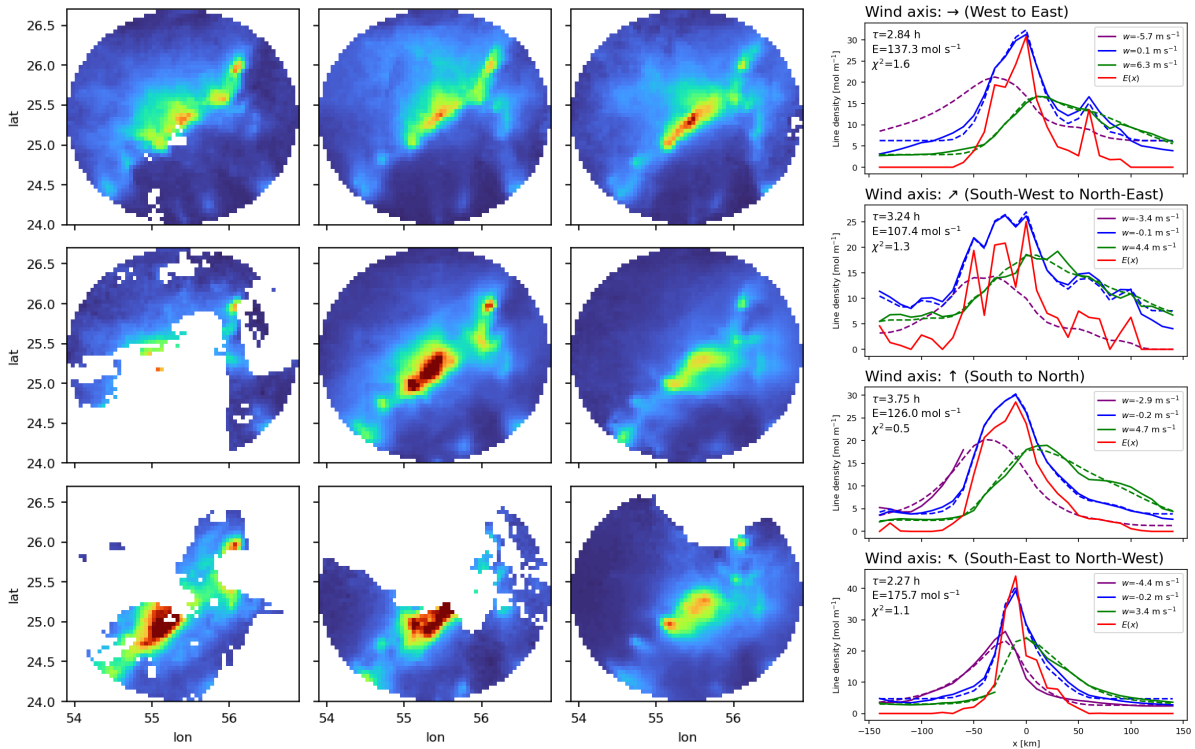
80.4 Autumn



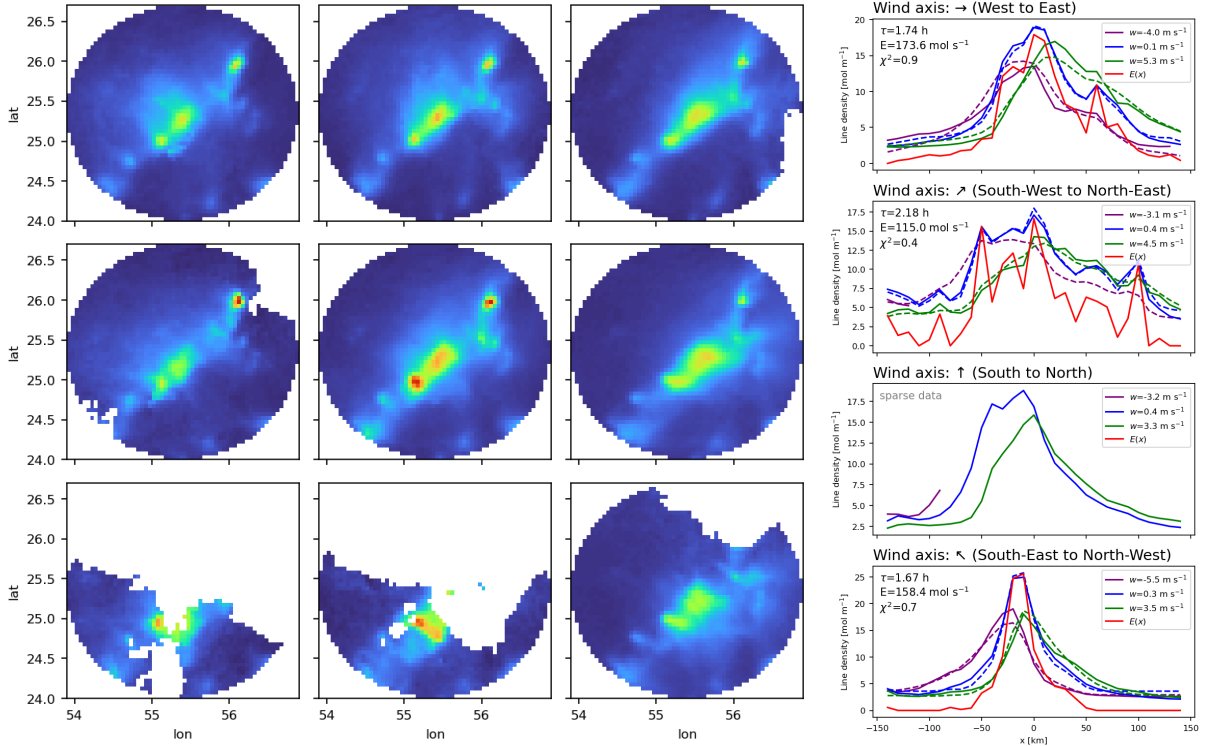
81.1 Winter



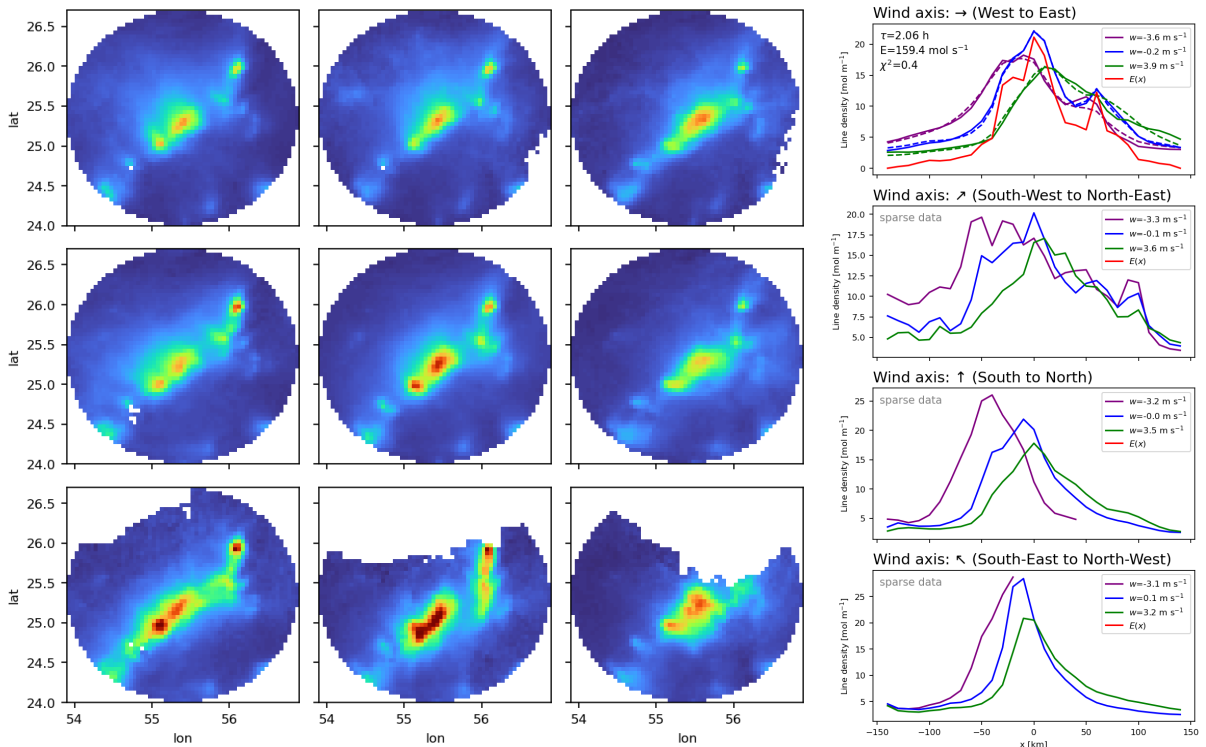
81.2 Spring



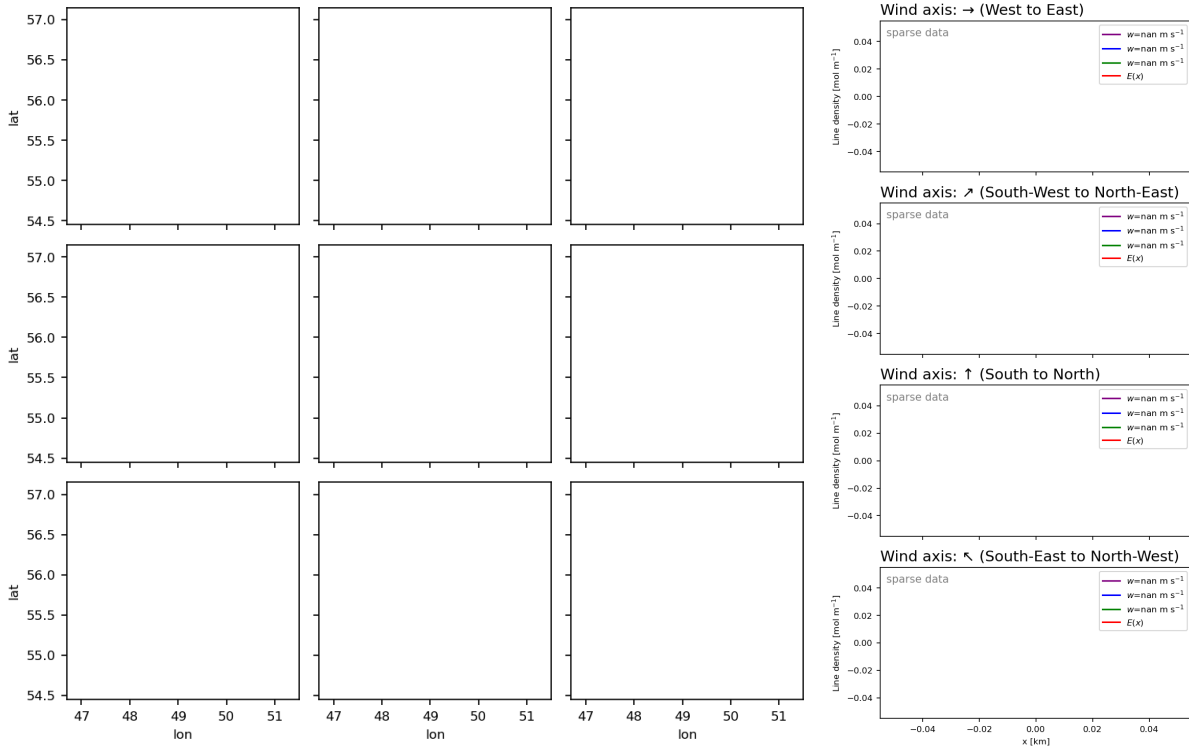
81.3 Summer



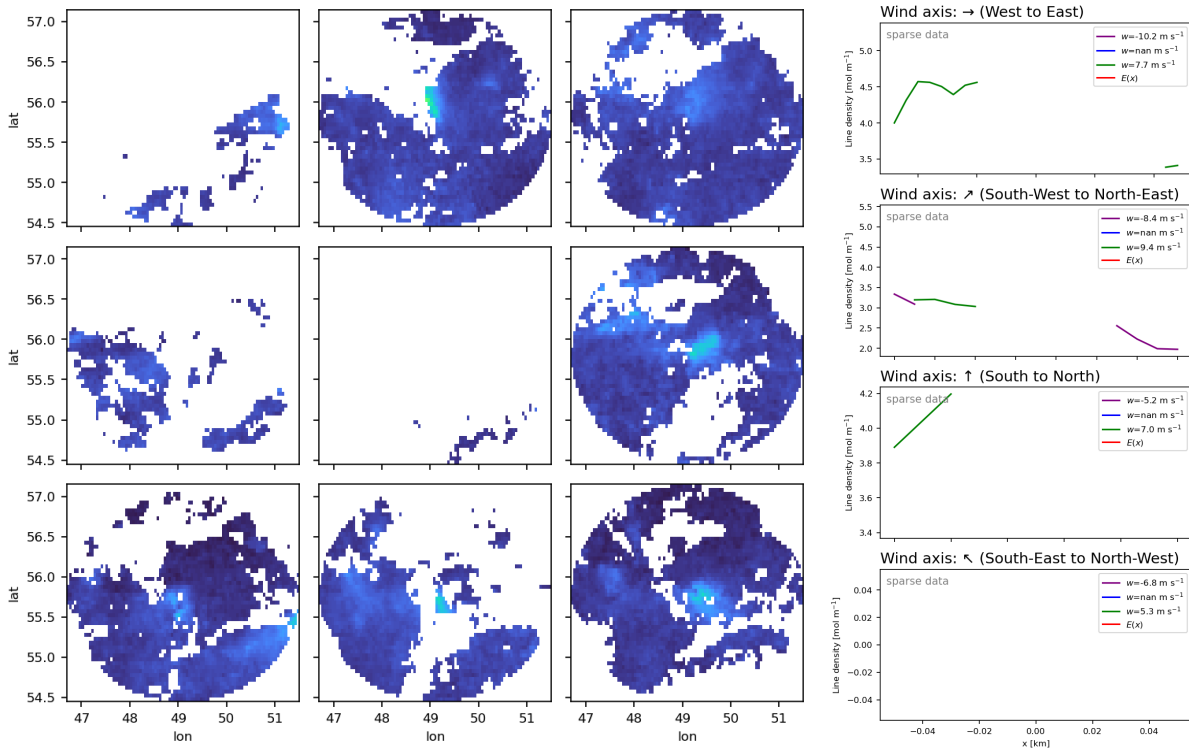
81.4 Autumn



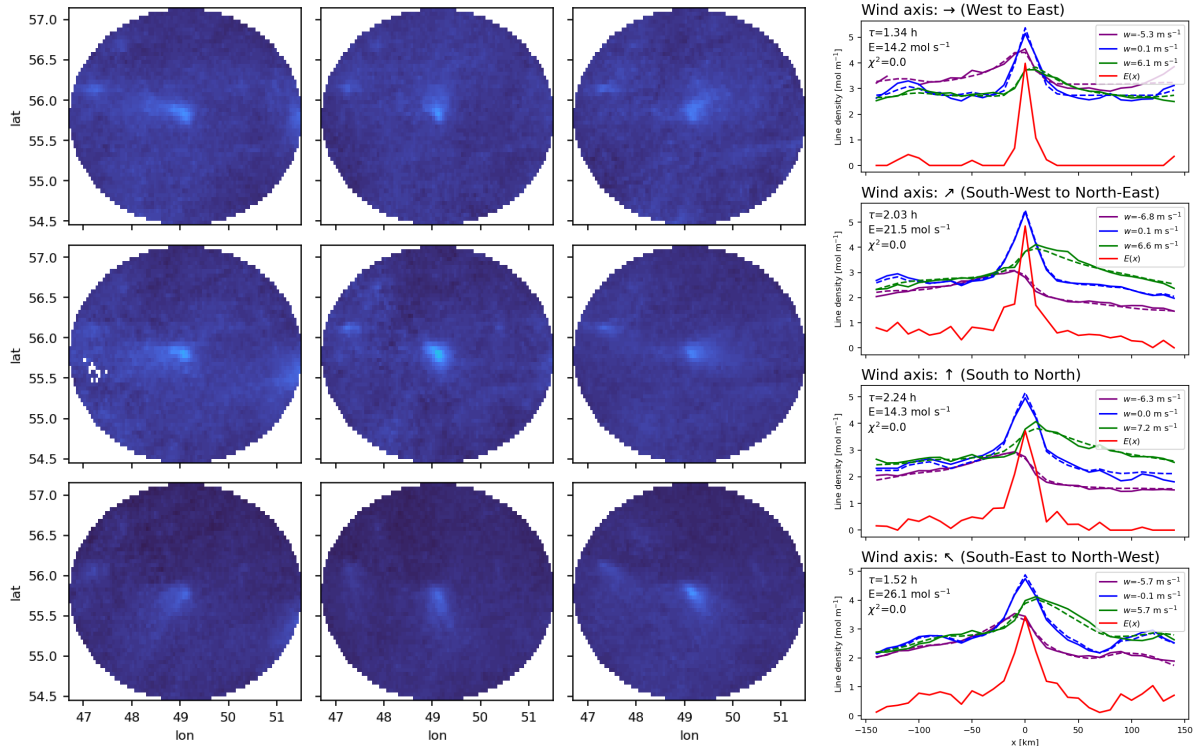
82.1 Winter



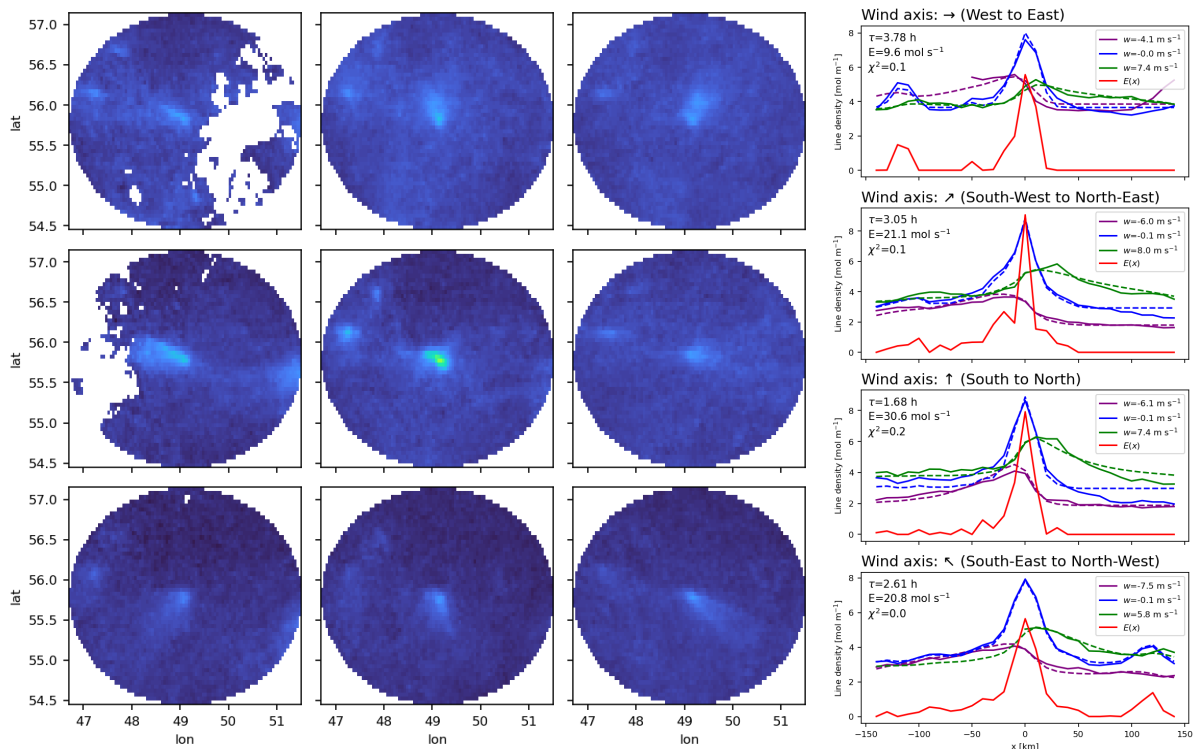
82.2 Spring



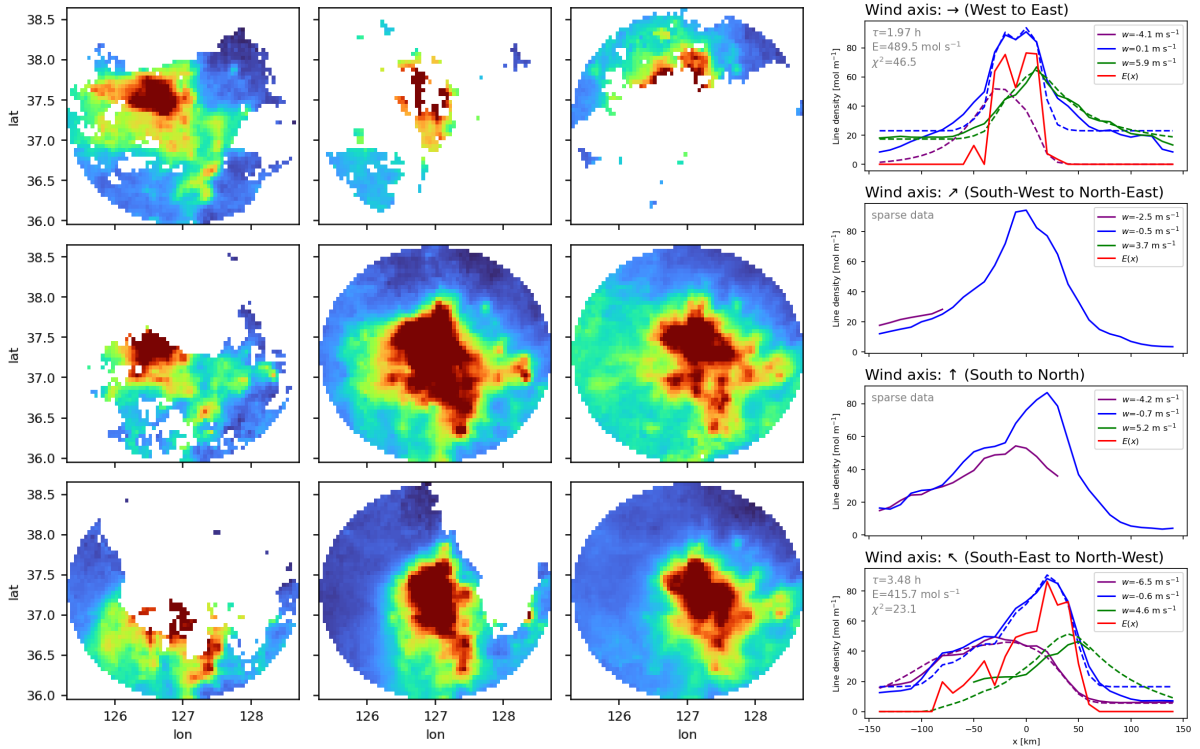
82.3 Summer



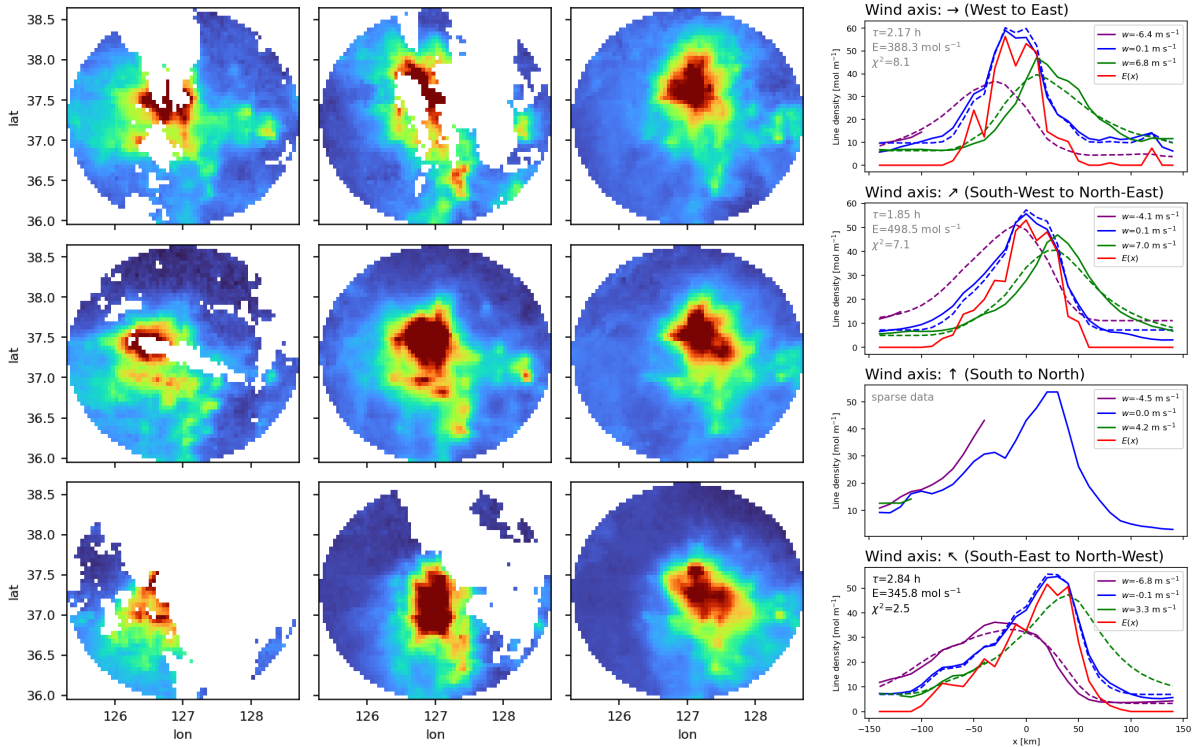
82.4 Autumn



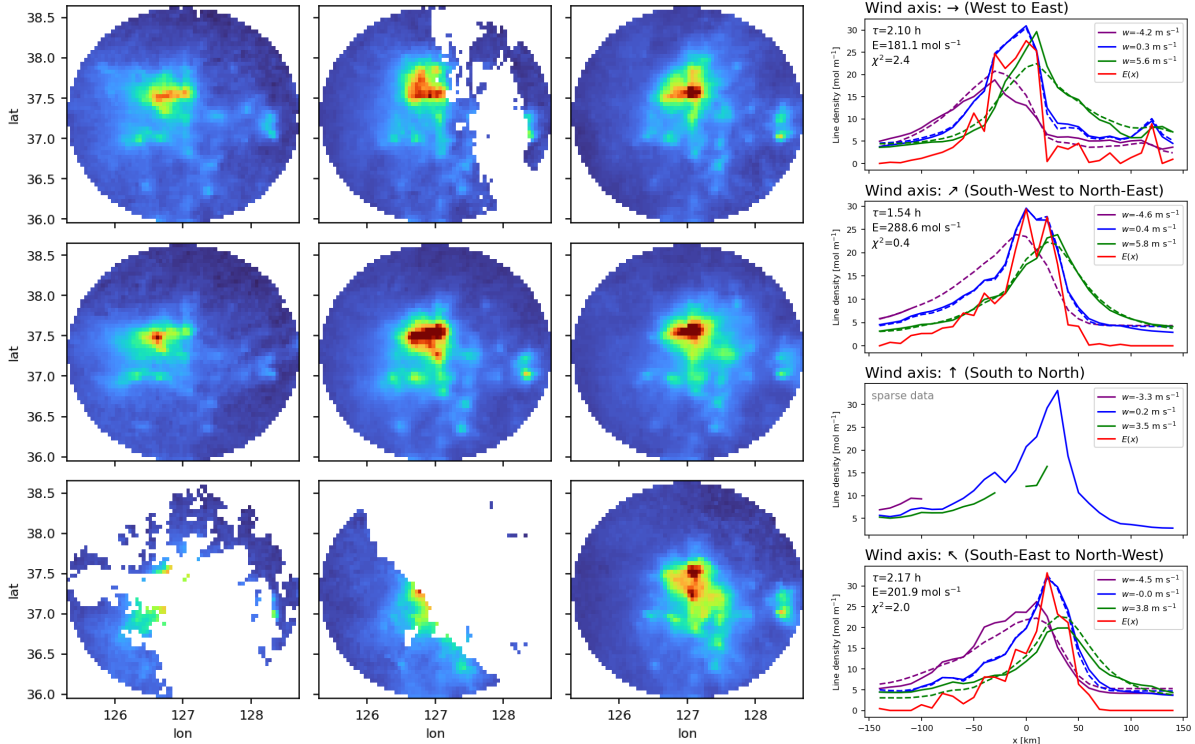
83.1 Winter



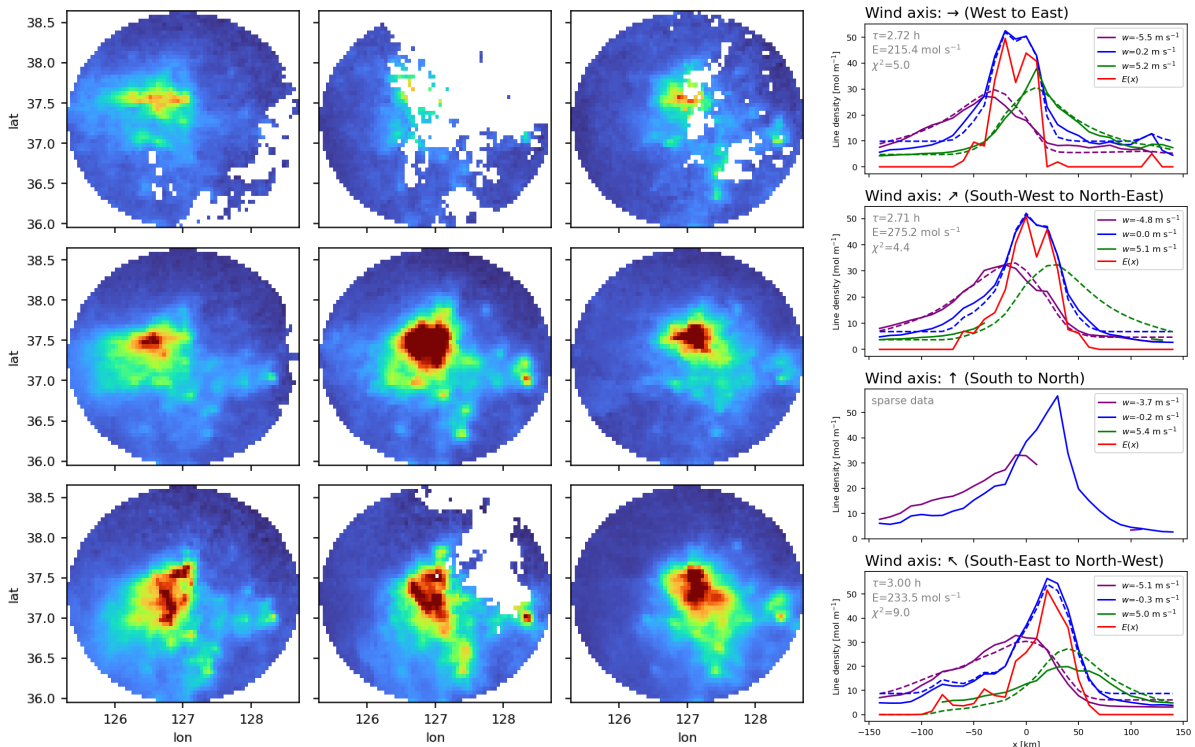
83.2 Spring



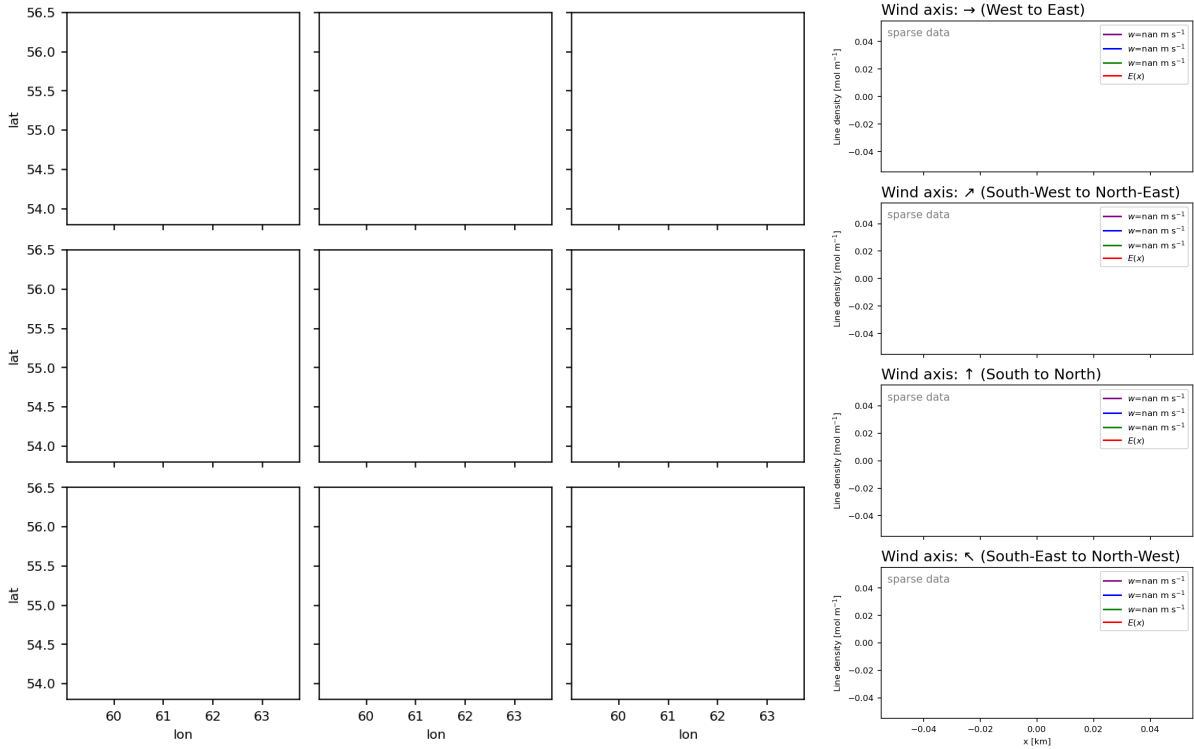
83.3 Summer



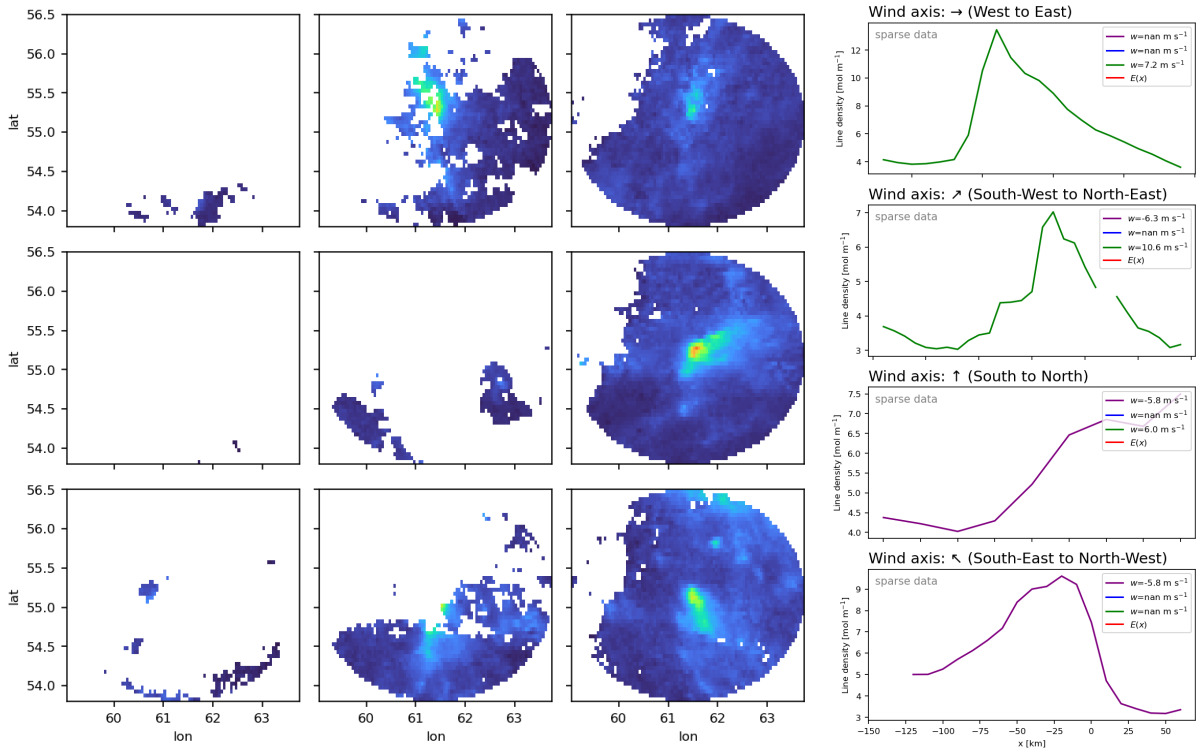
83.4 Autumn



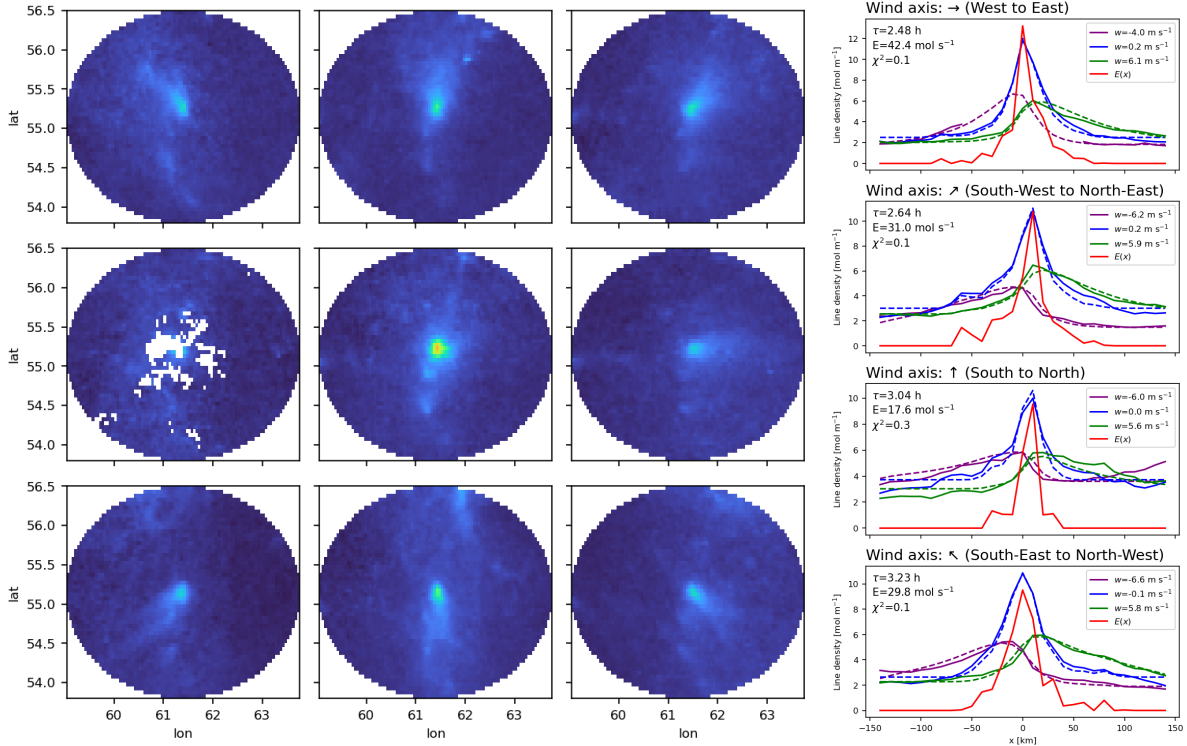
84.1 Winter



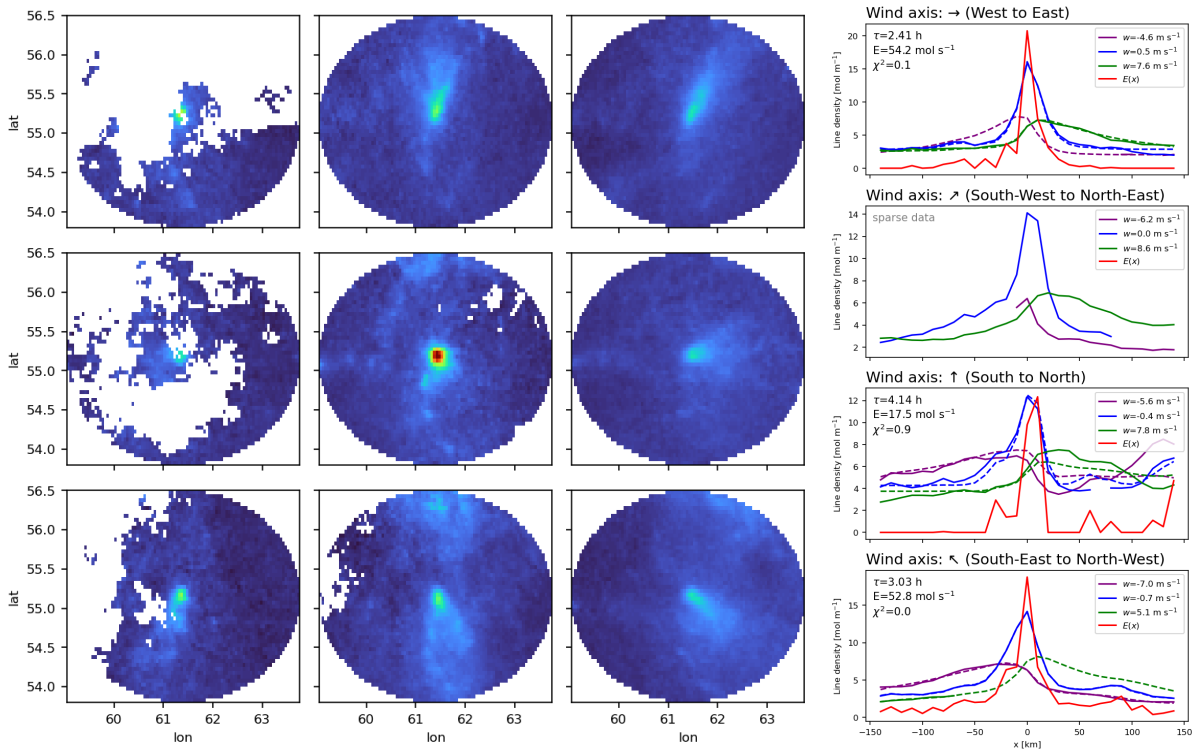
84.2 Spring



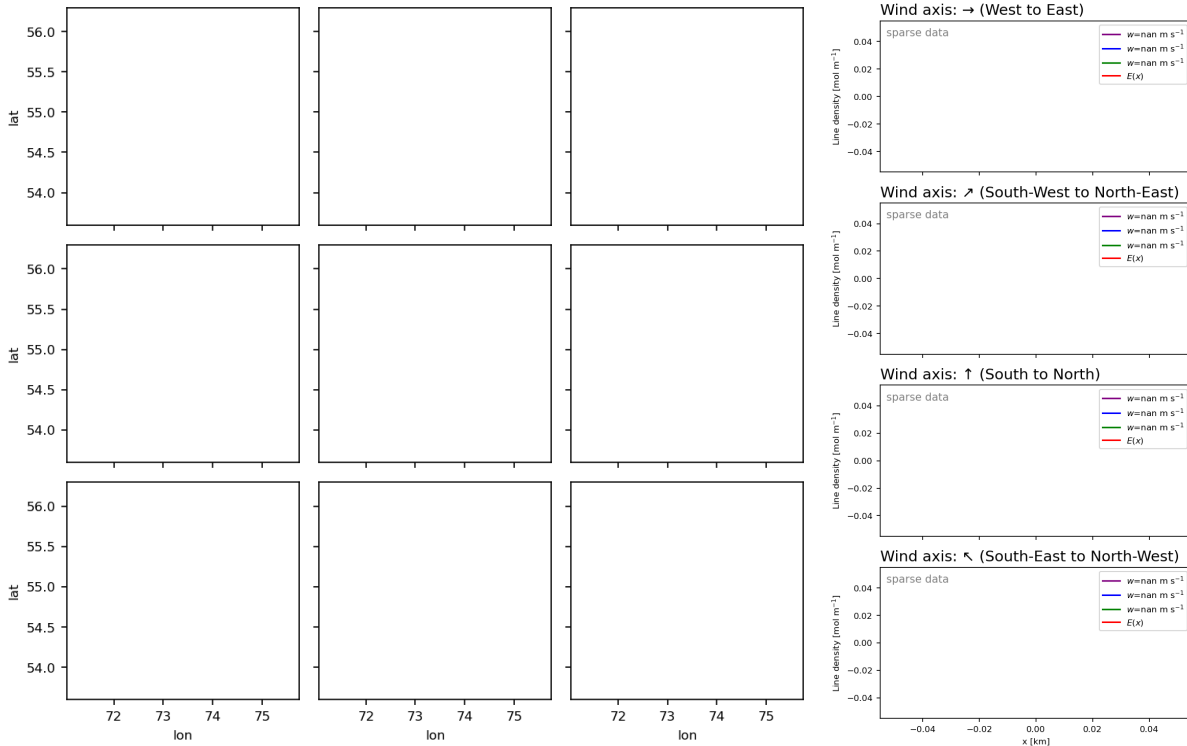
84.3 Summer



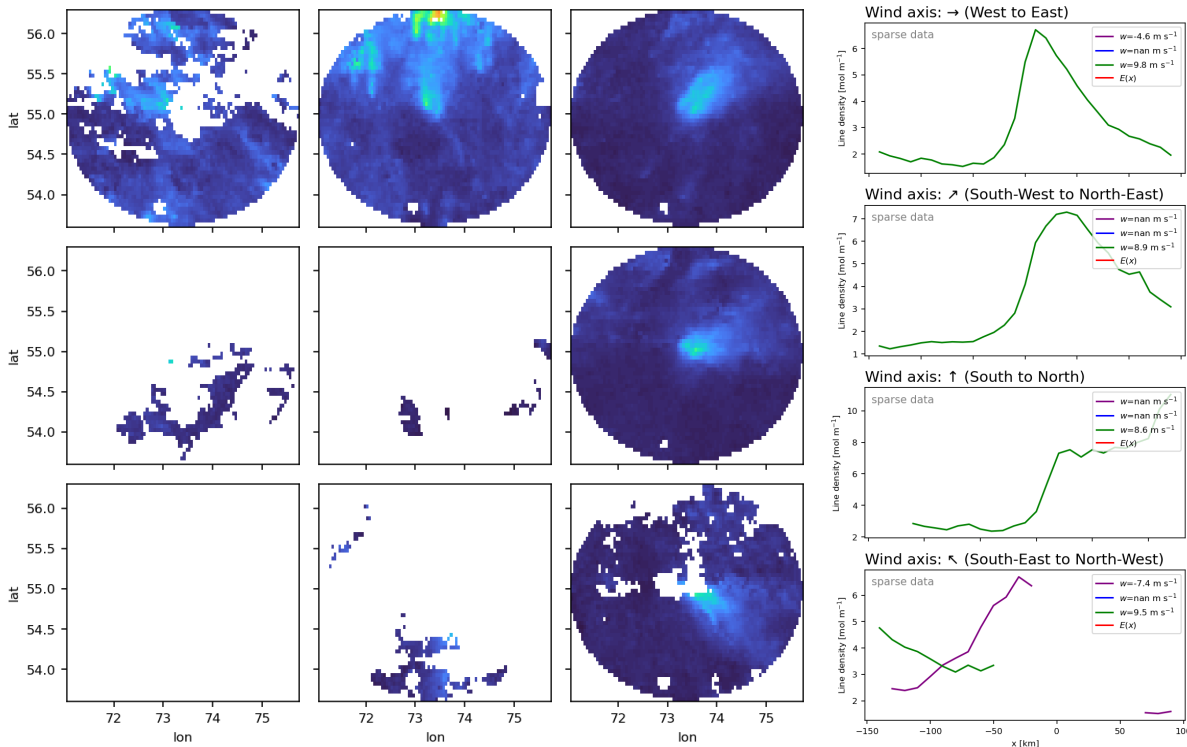
84.4 Autumn



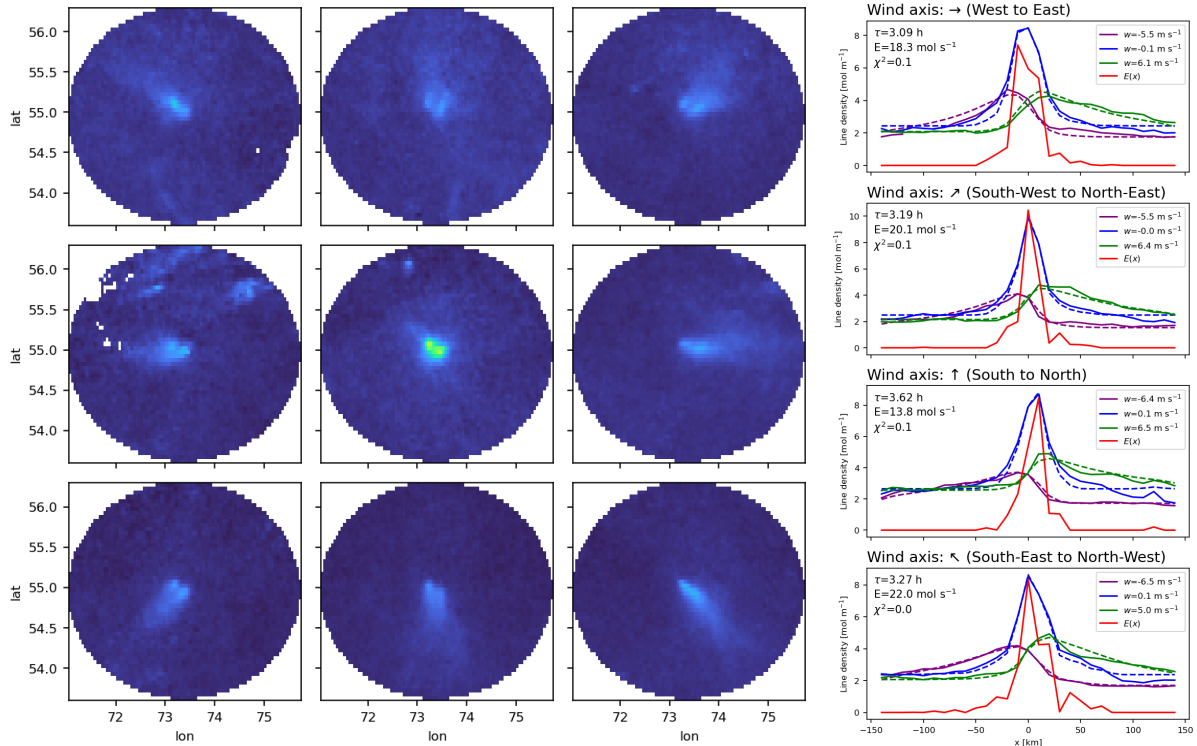
85.1 Winter



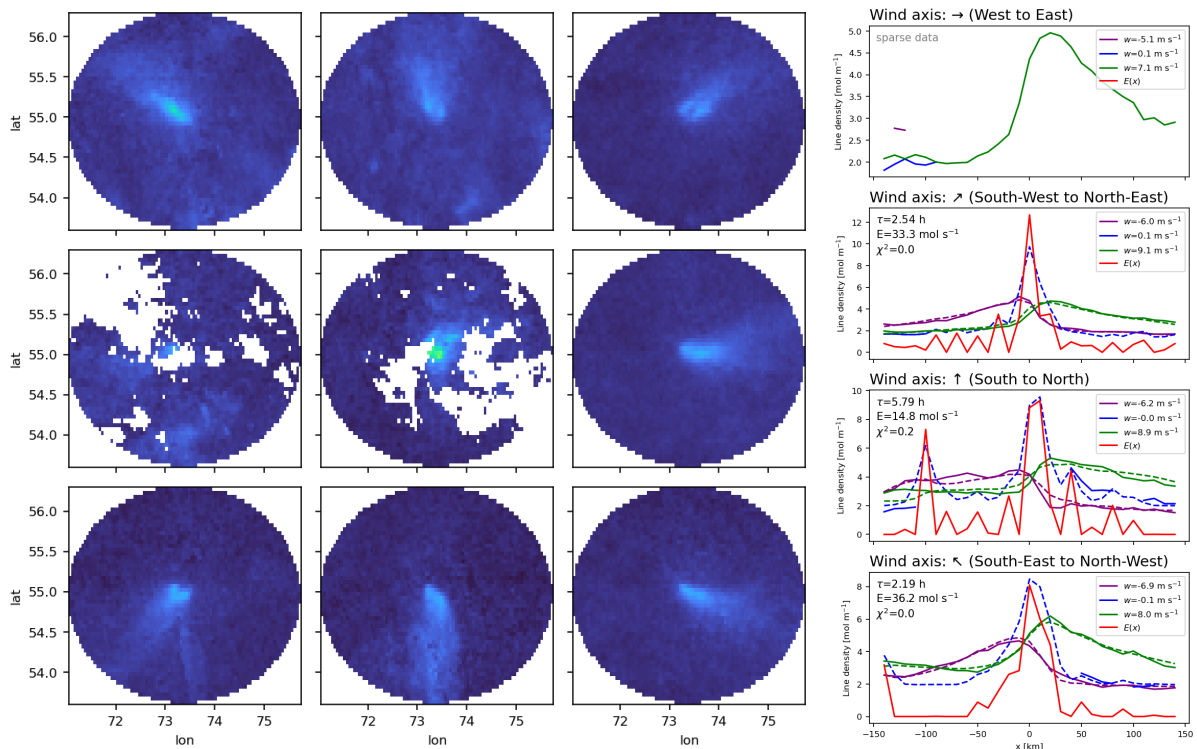
85.2 Spring



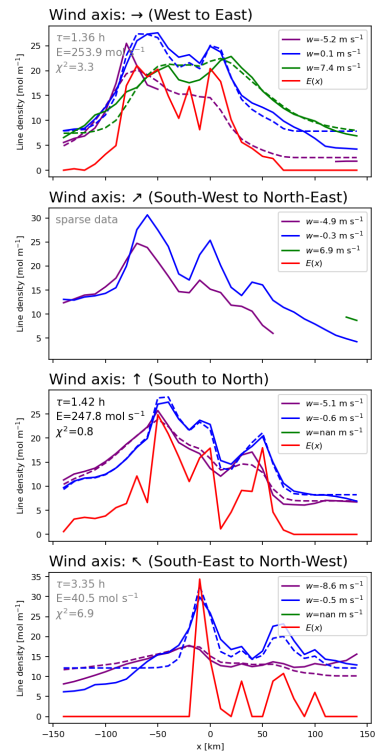
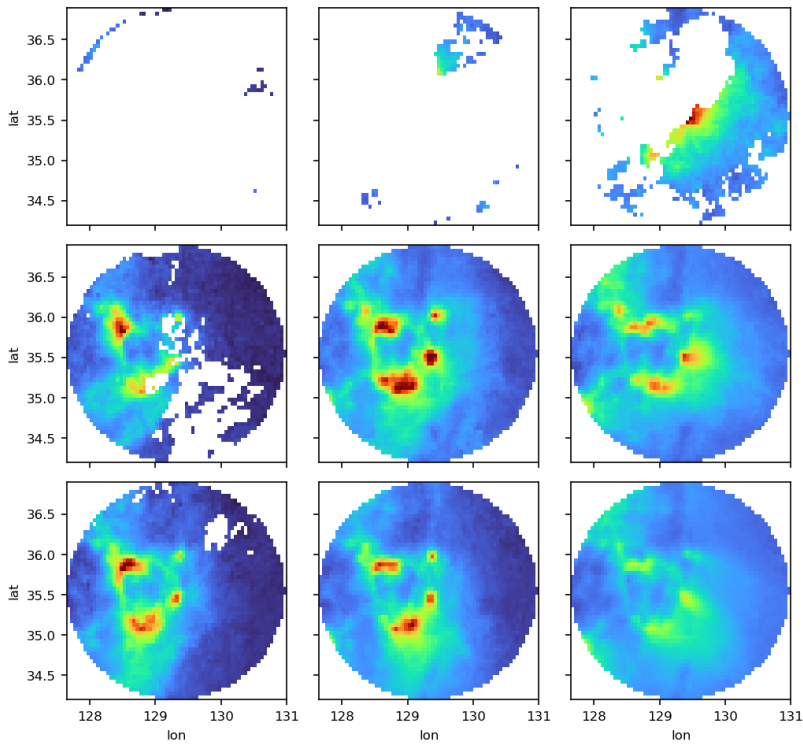
85.3 Summer



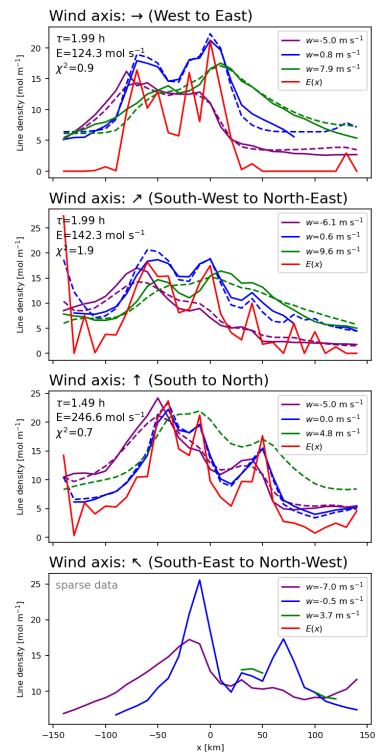
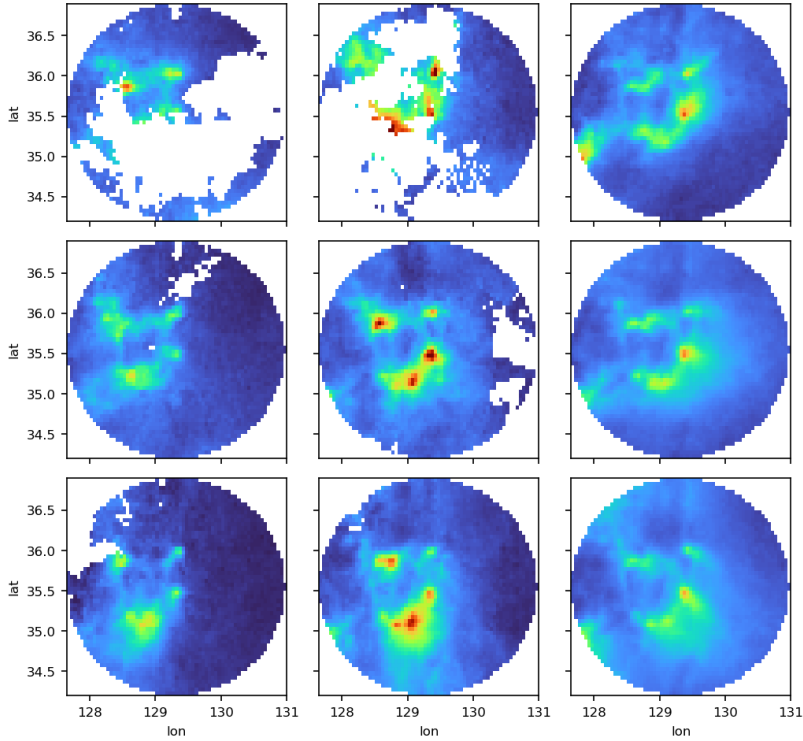
85.4 Autumn



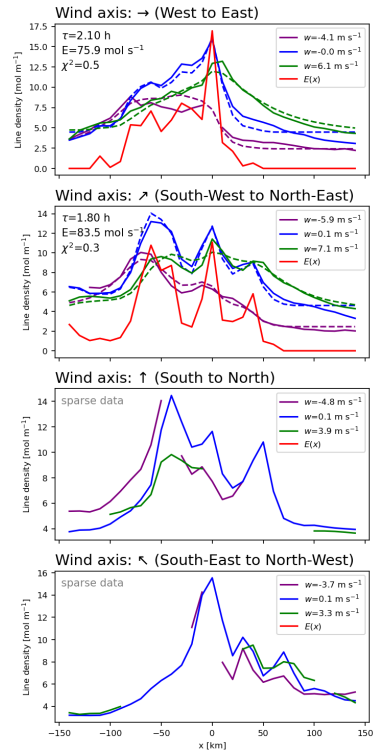
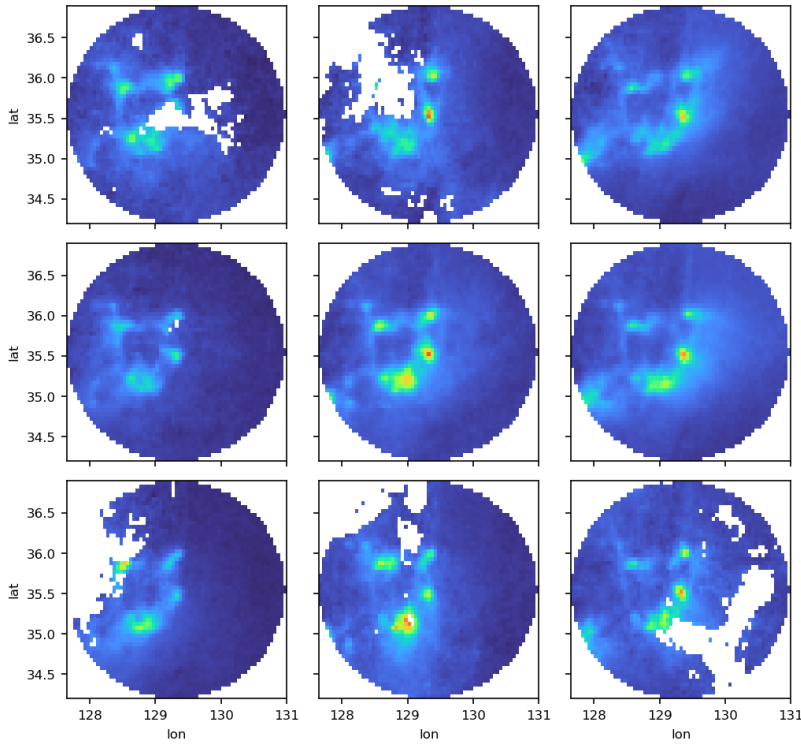
86.1 Winter



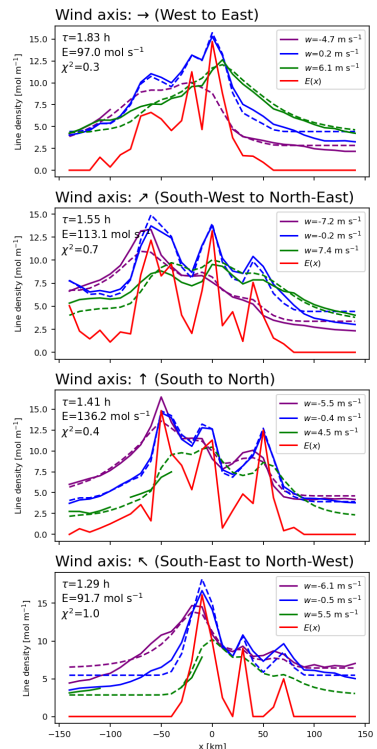
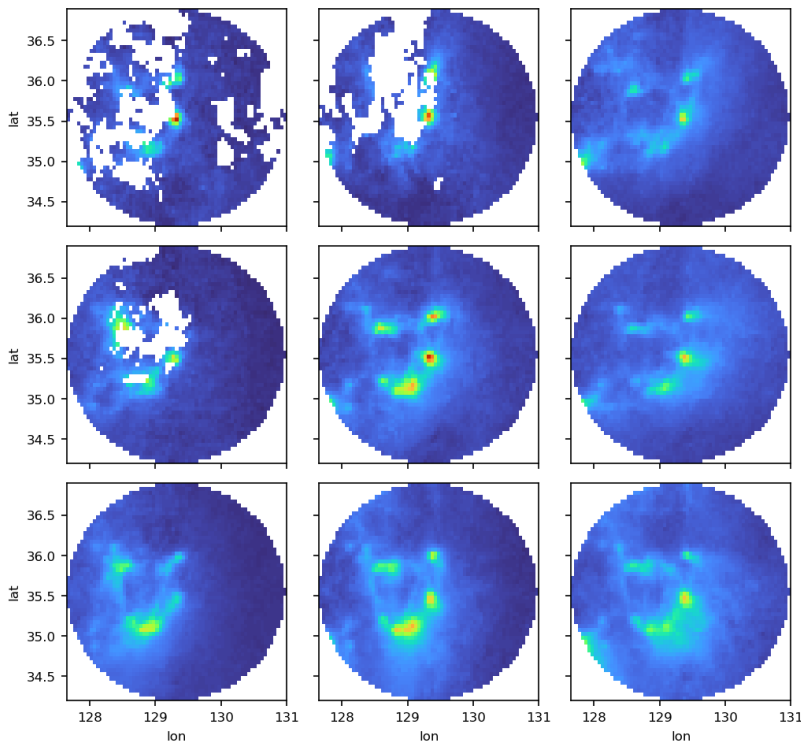
86.2 Spring



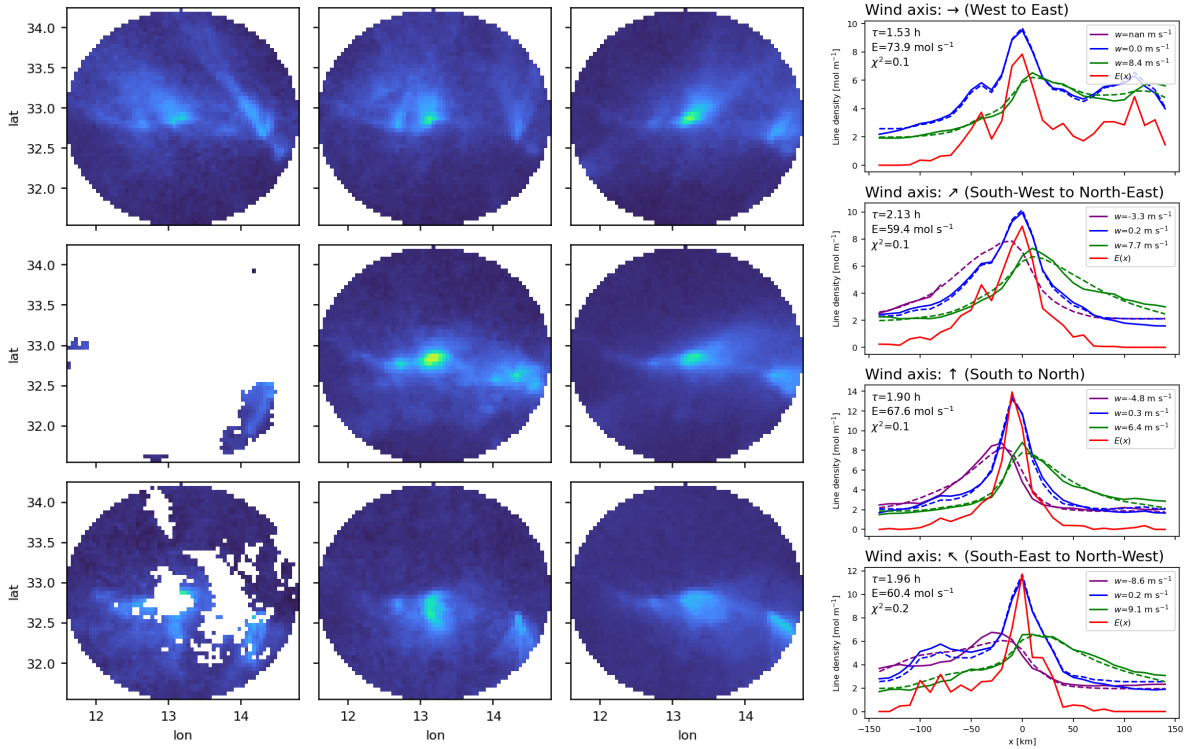
86.3 Summer



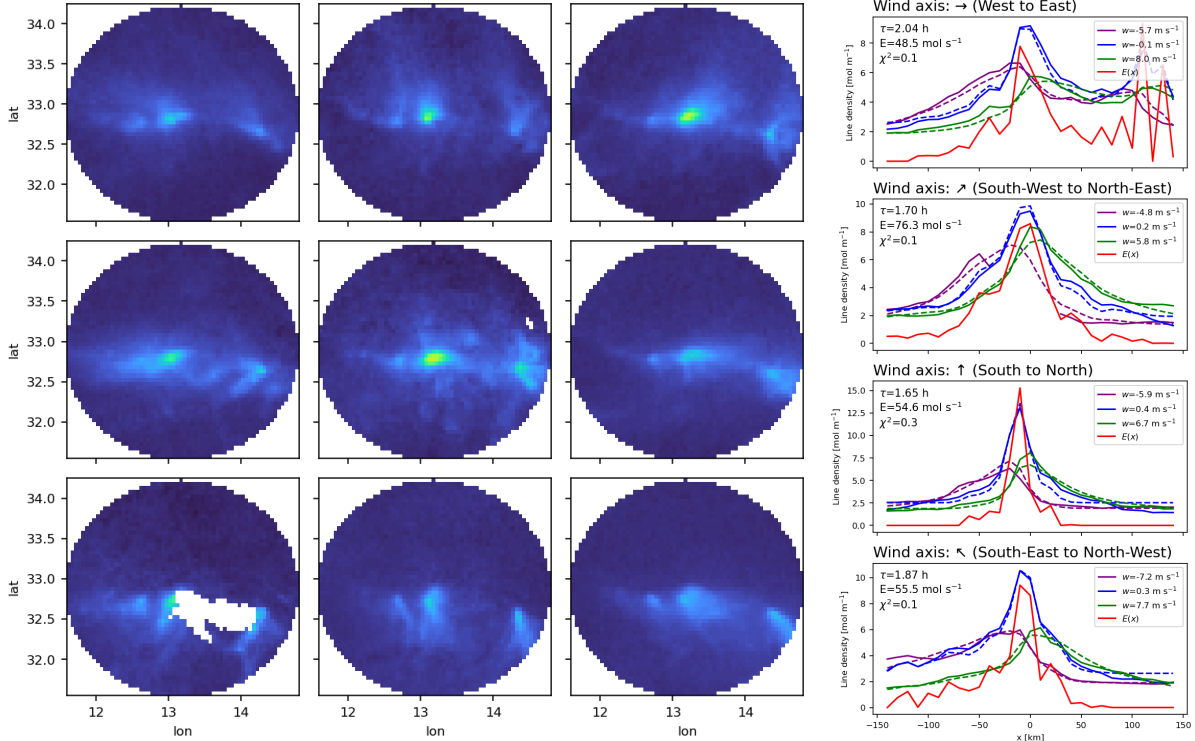
86.4 Autumn



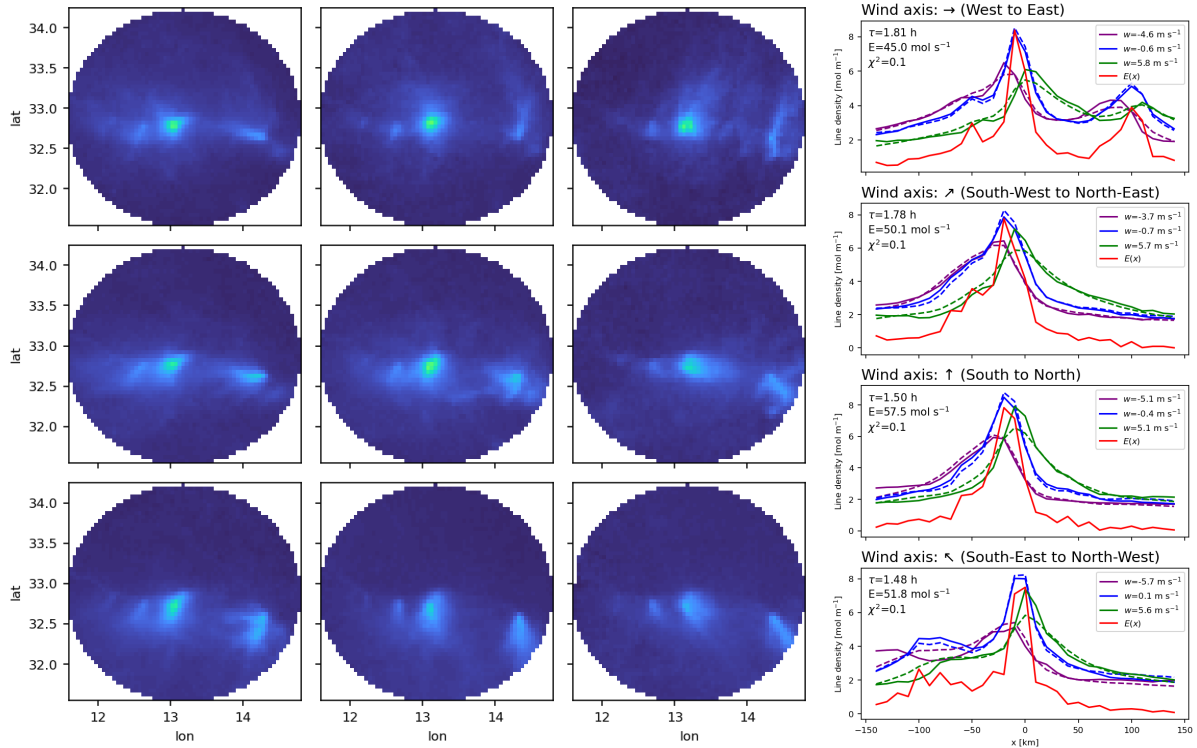
87.1 Winter



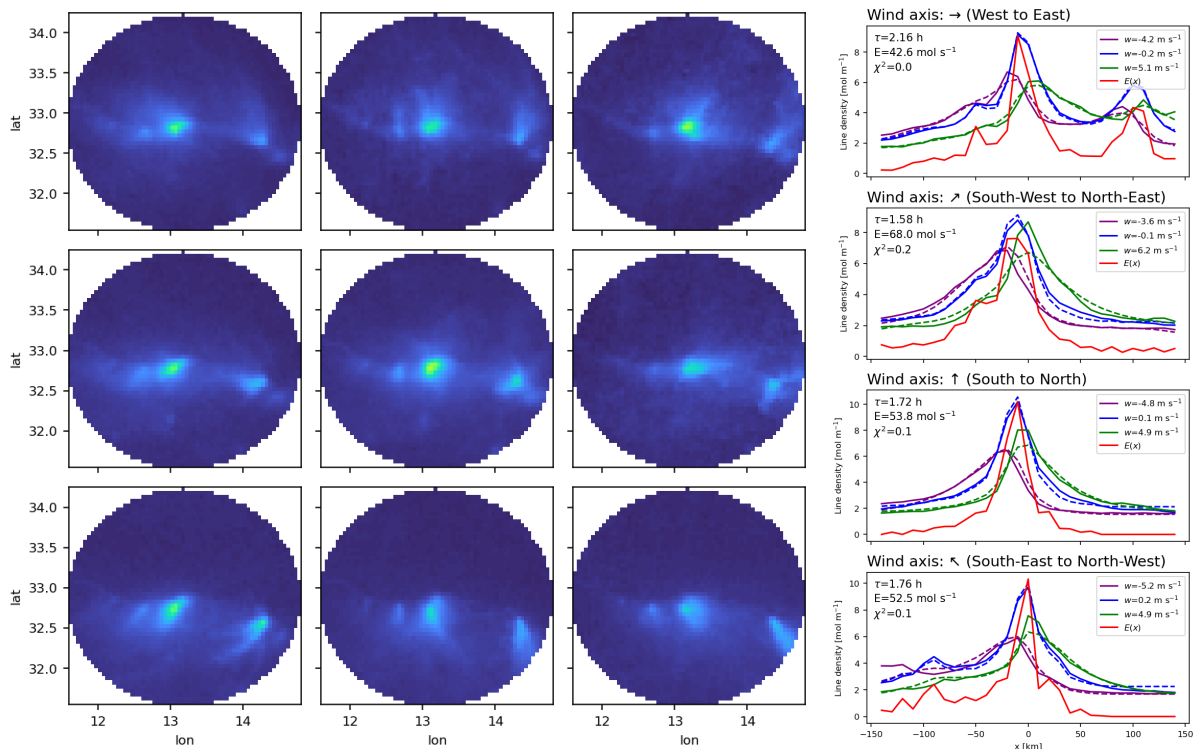
87.2 Spring



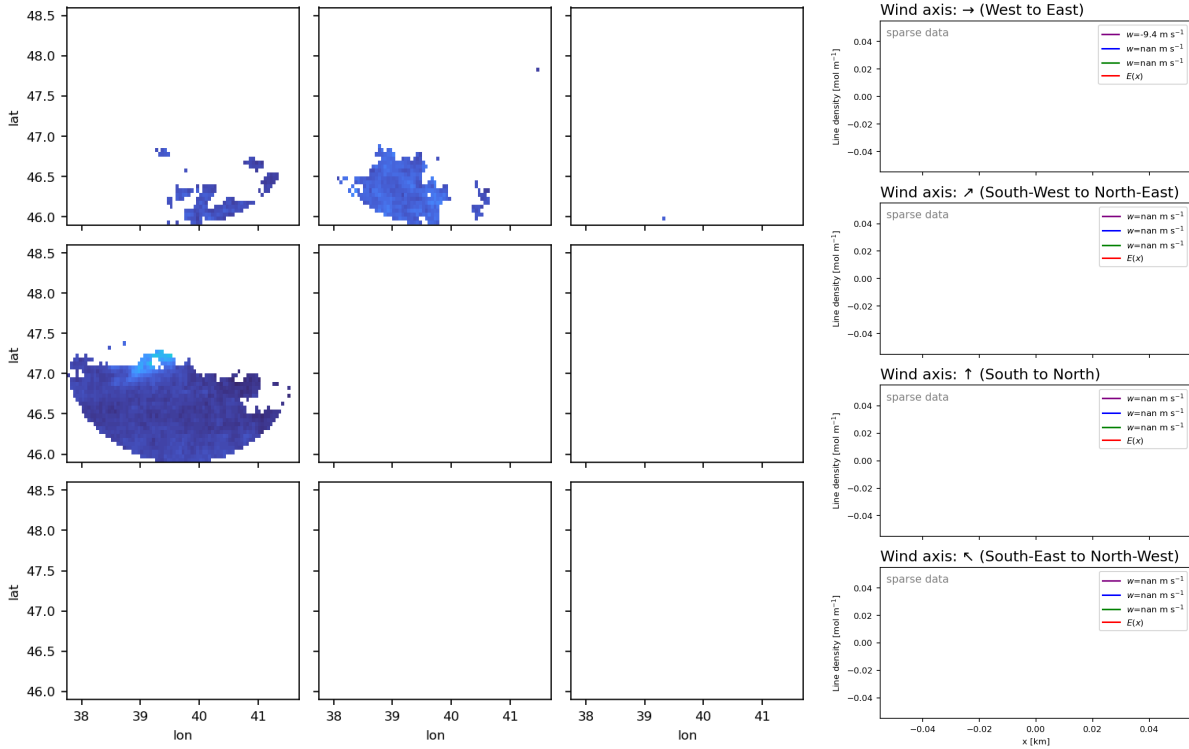
87.3 Summer



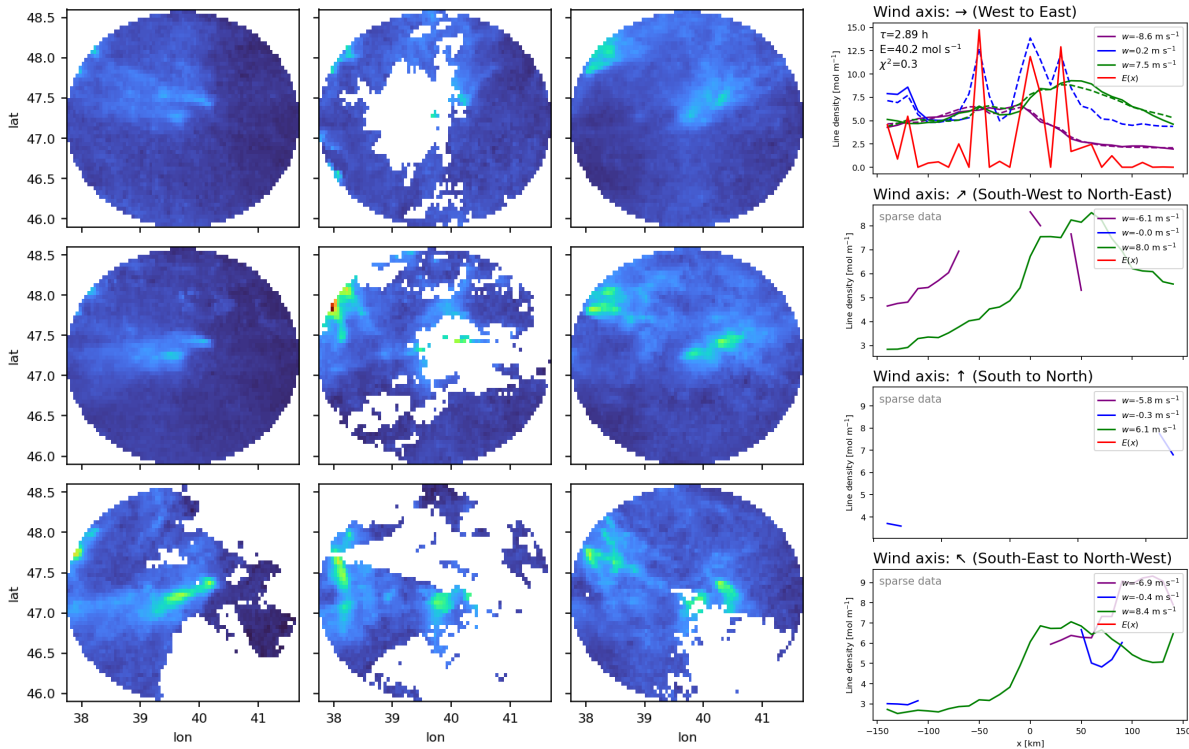
87.4 Autumn



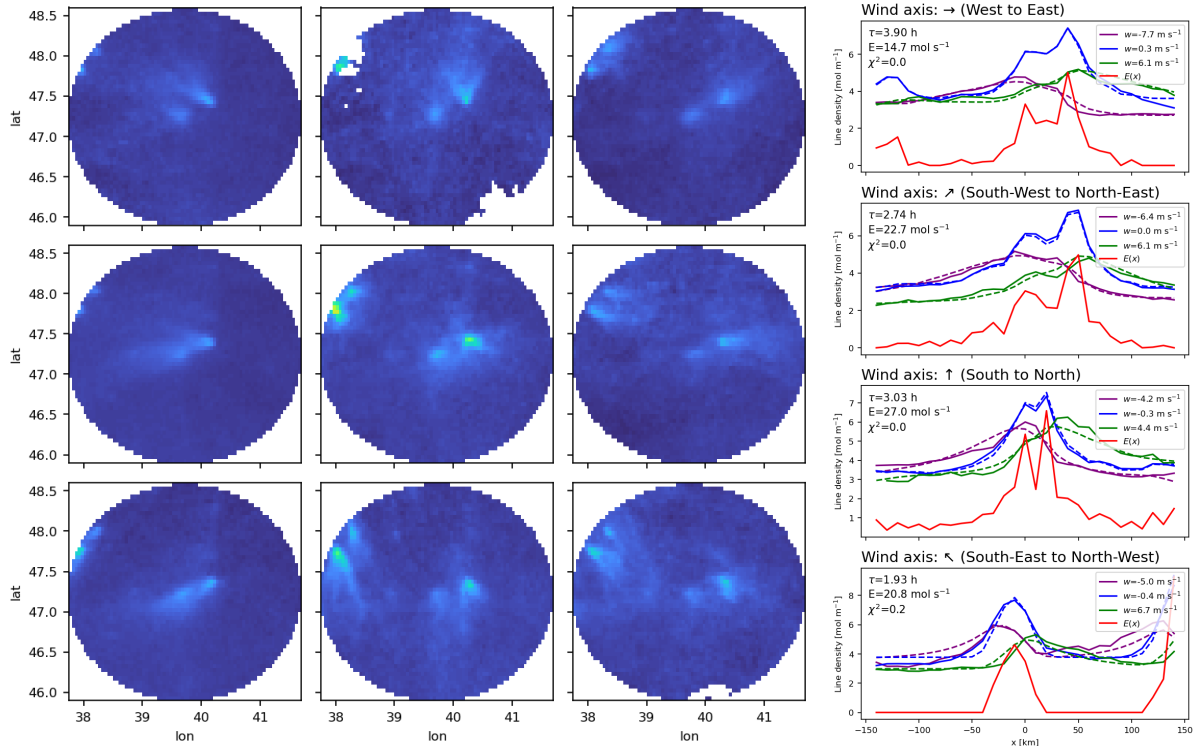
88.1 Winter



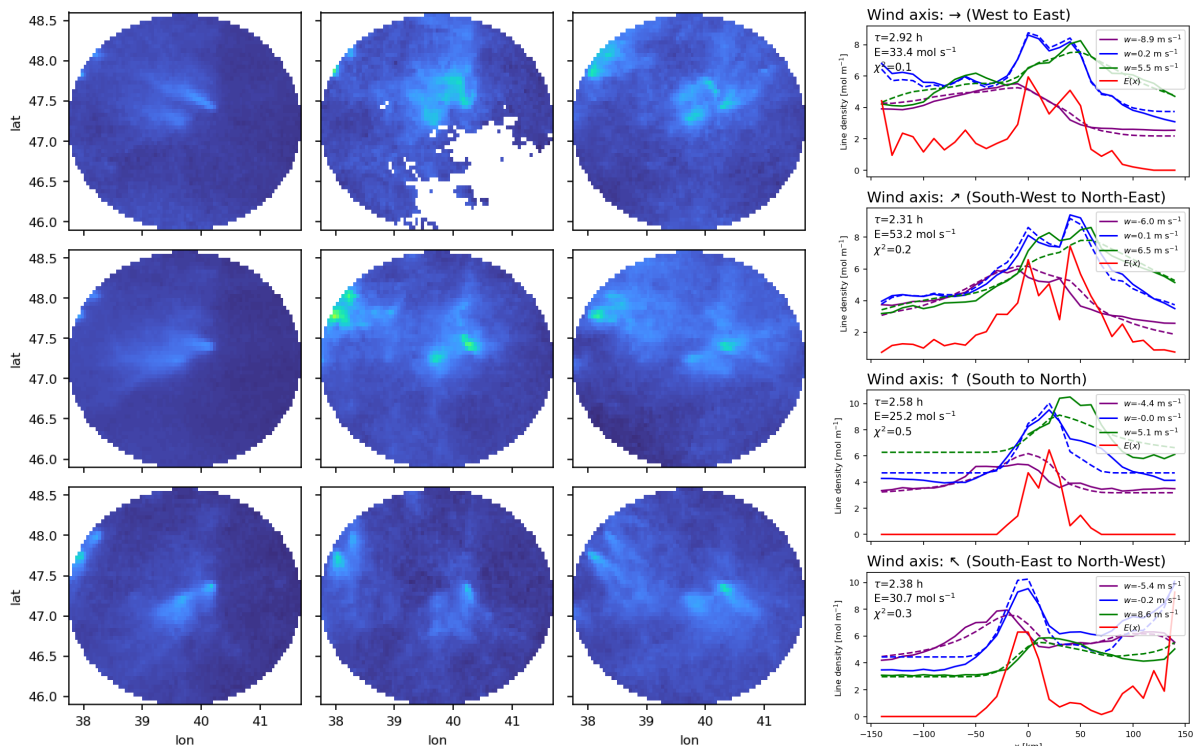
88.2 Spring



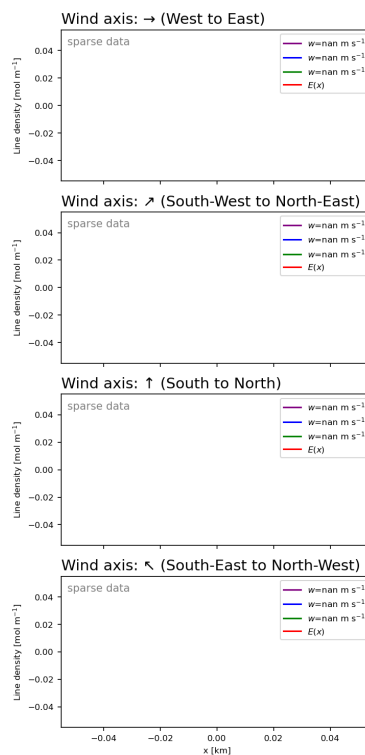
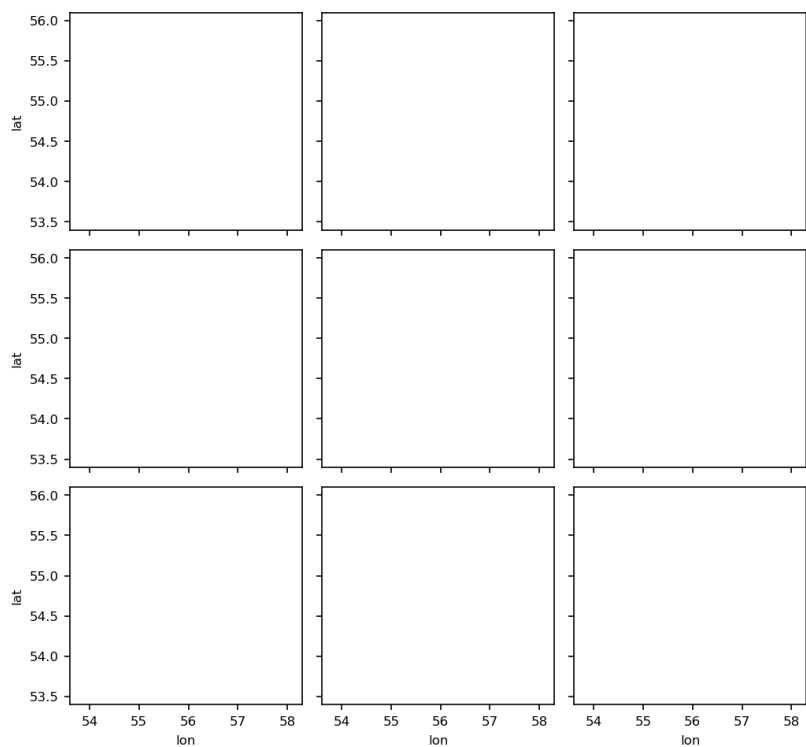
88.3 Summer



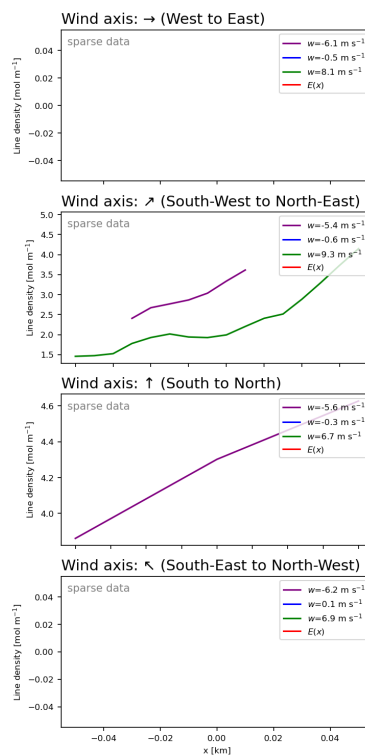
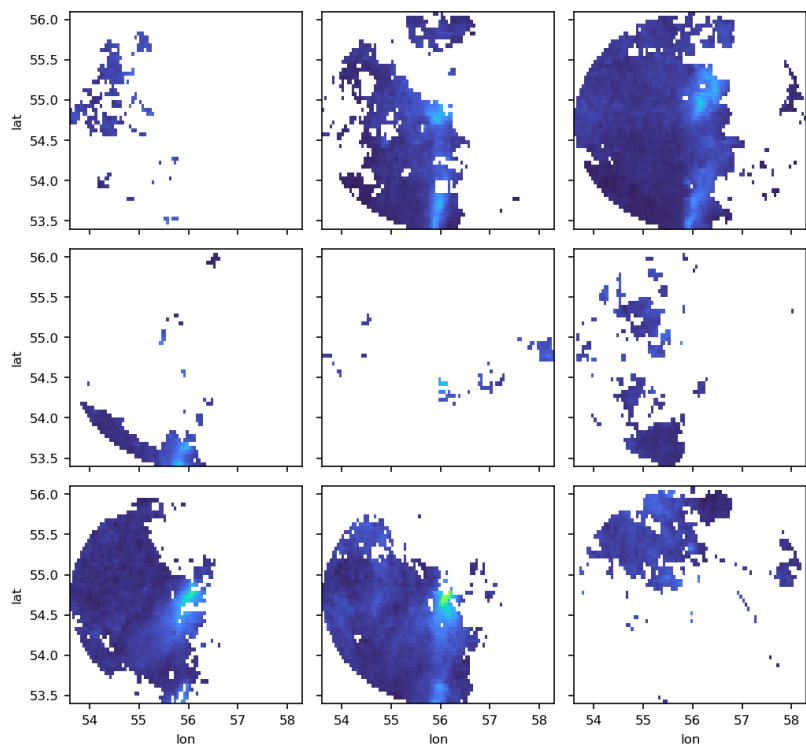
88.4 Autumn



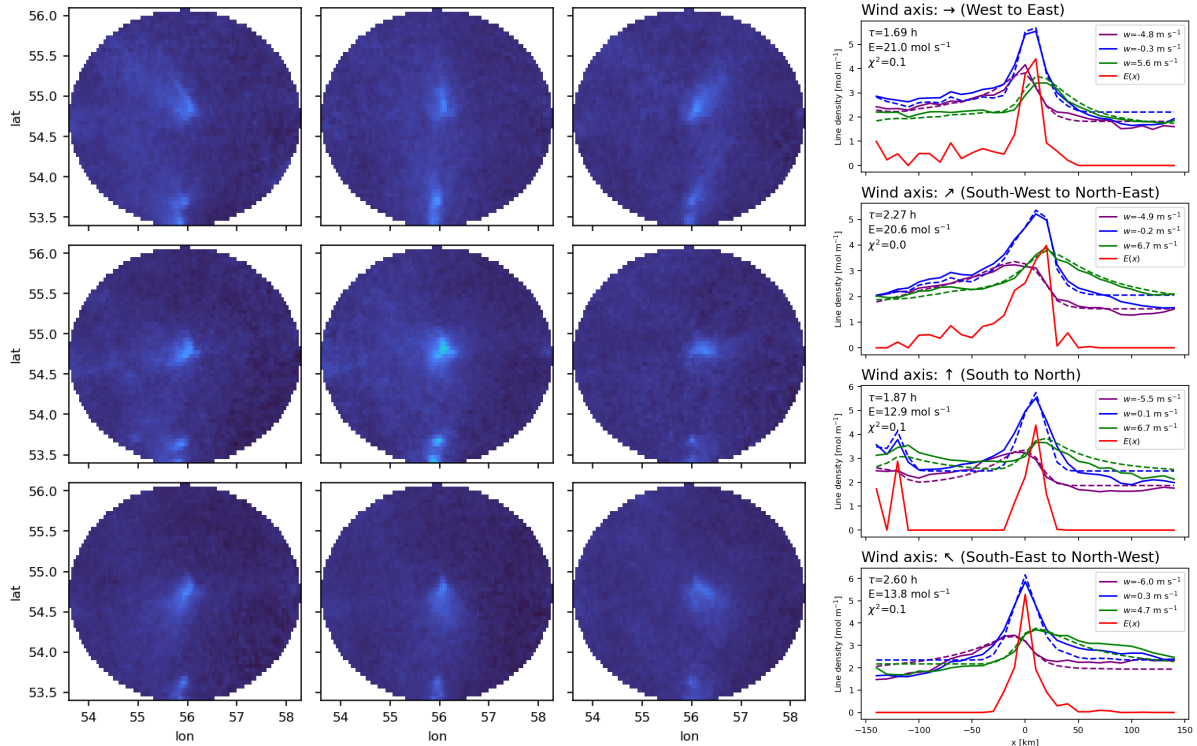
89.1 Winter



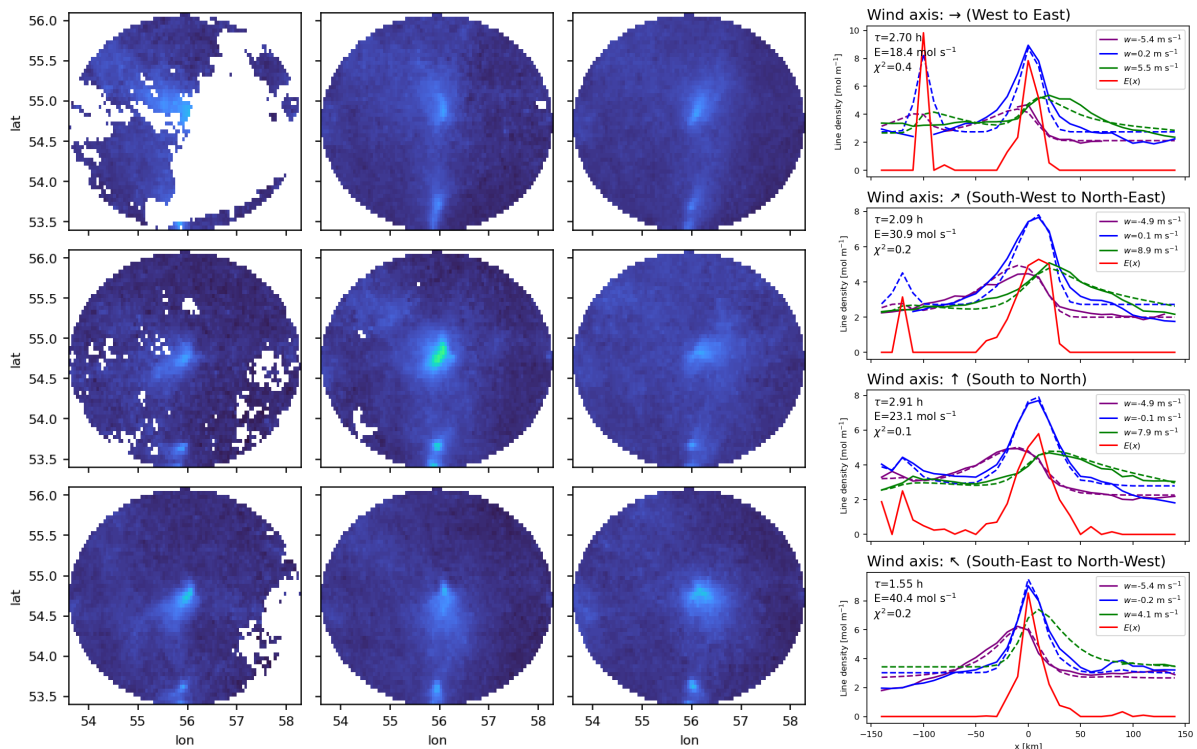
89.2 Spring



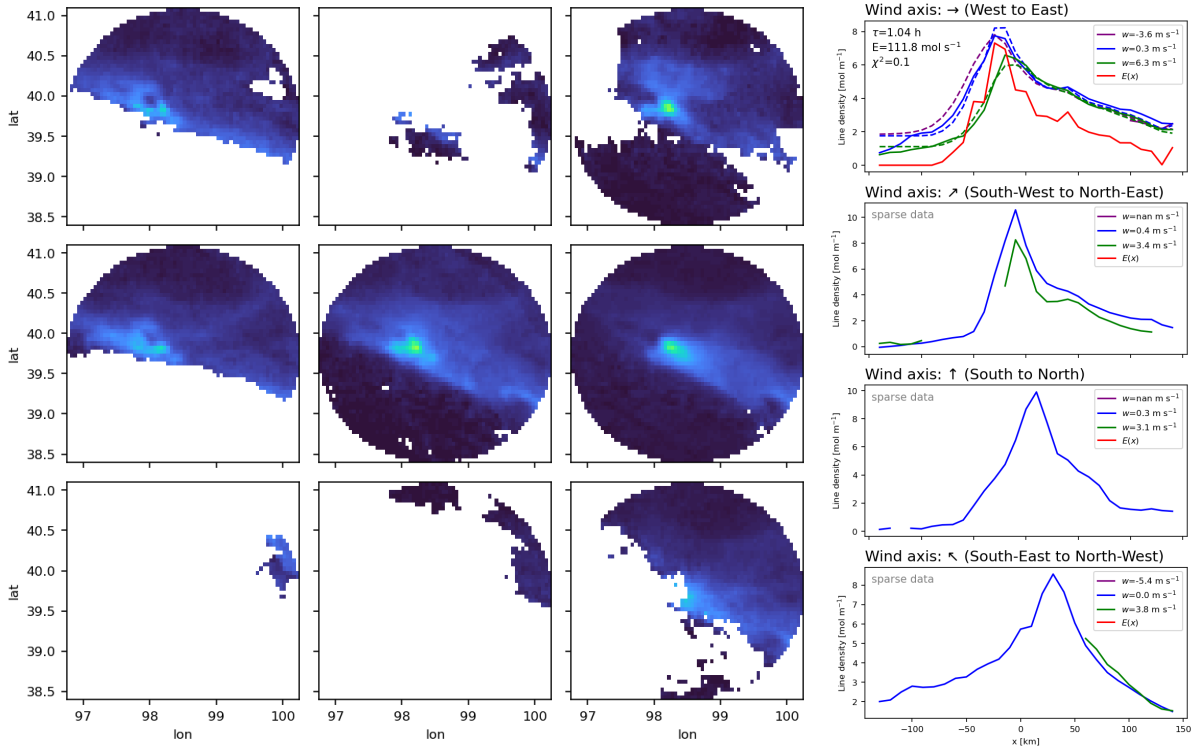
89.3 Summer



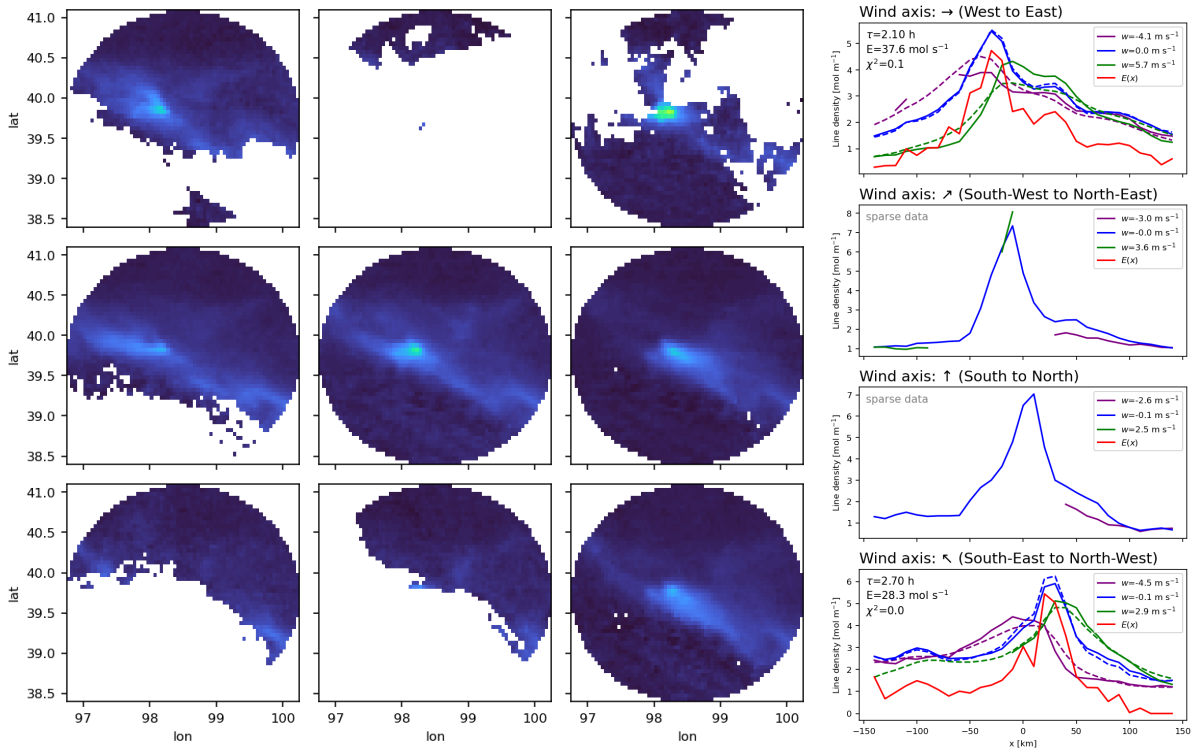
89.4 Autumn



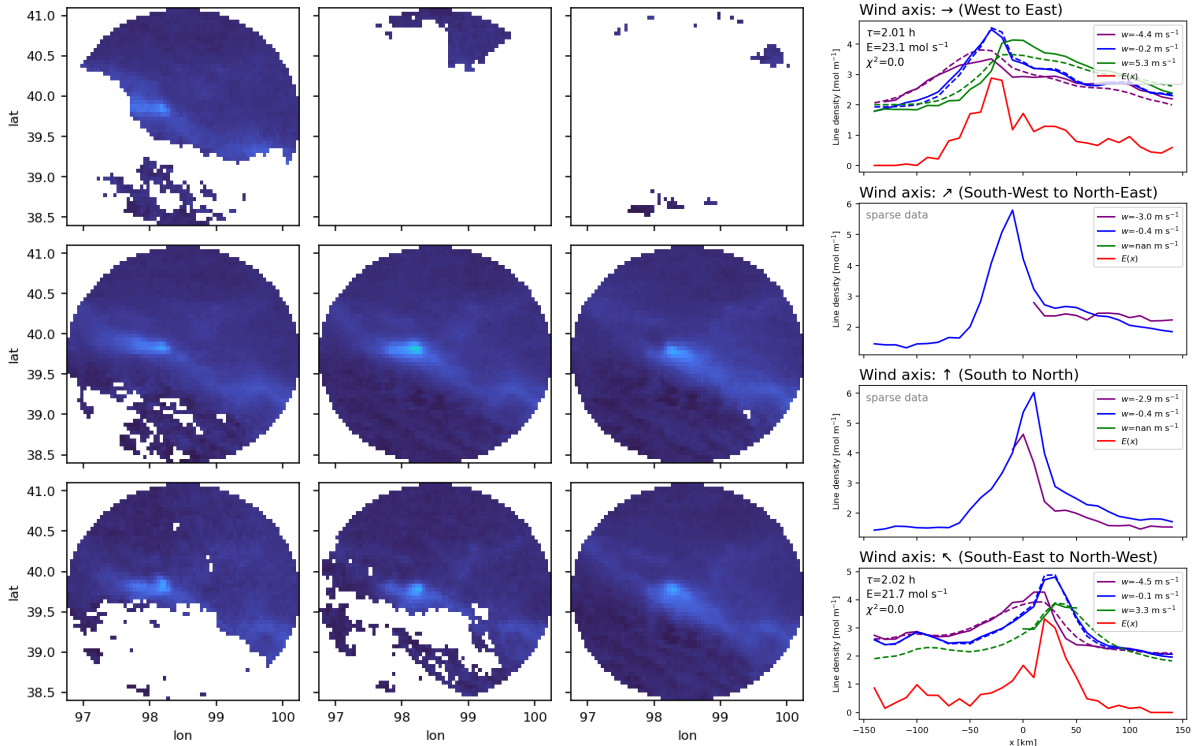
90.1 Winter



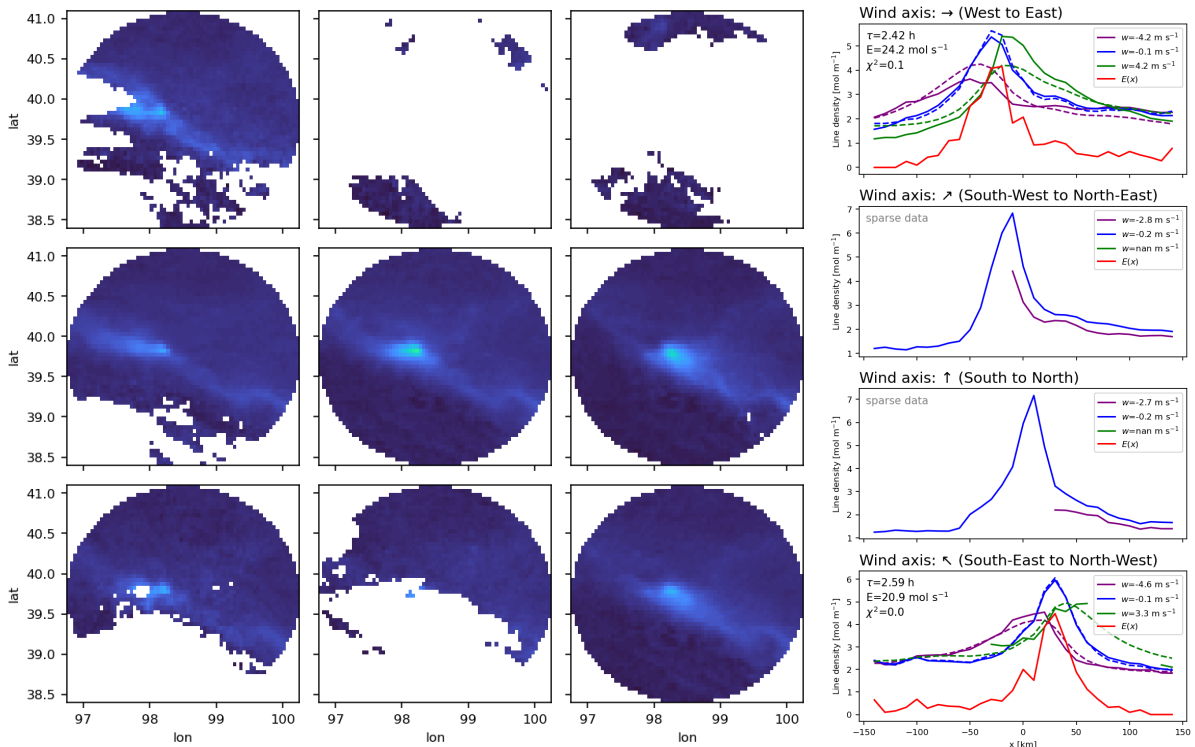
90.2 Spring



90.3 Summer

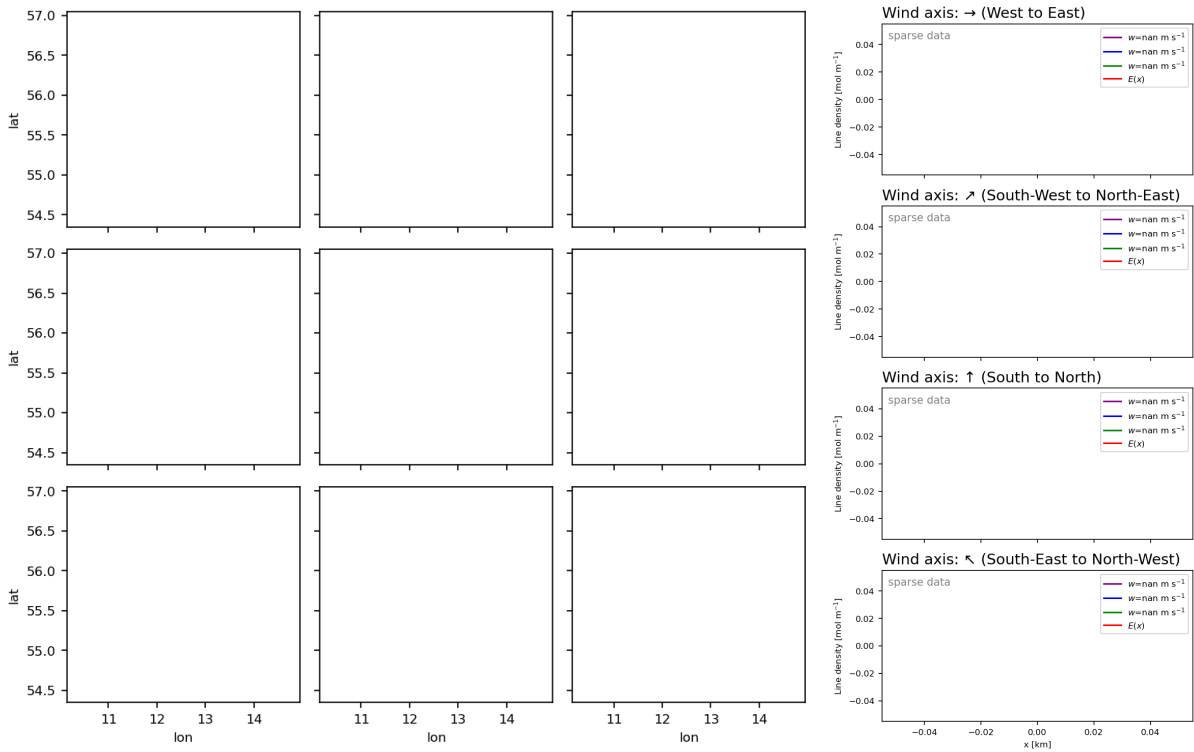


90.4 Autumn

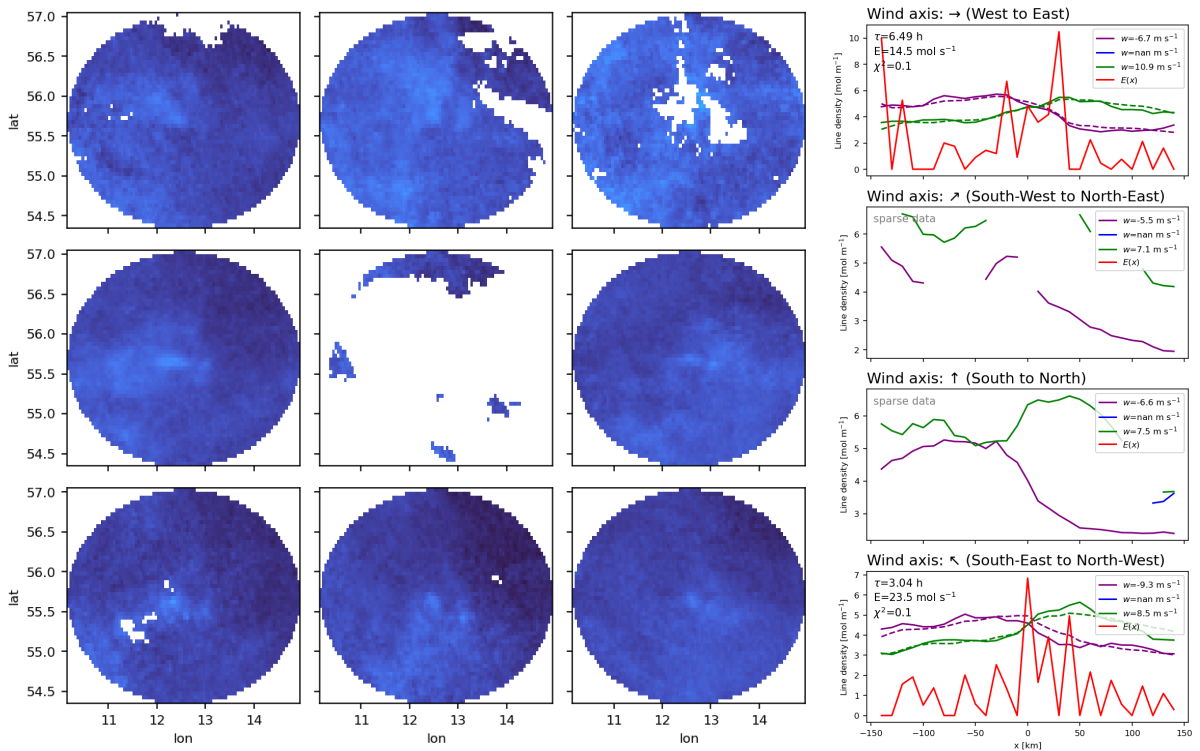


91 Copenhagen

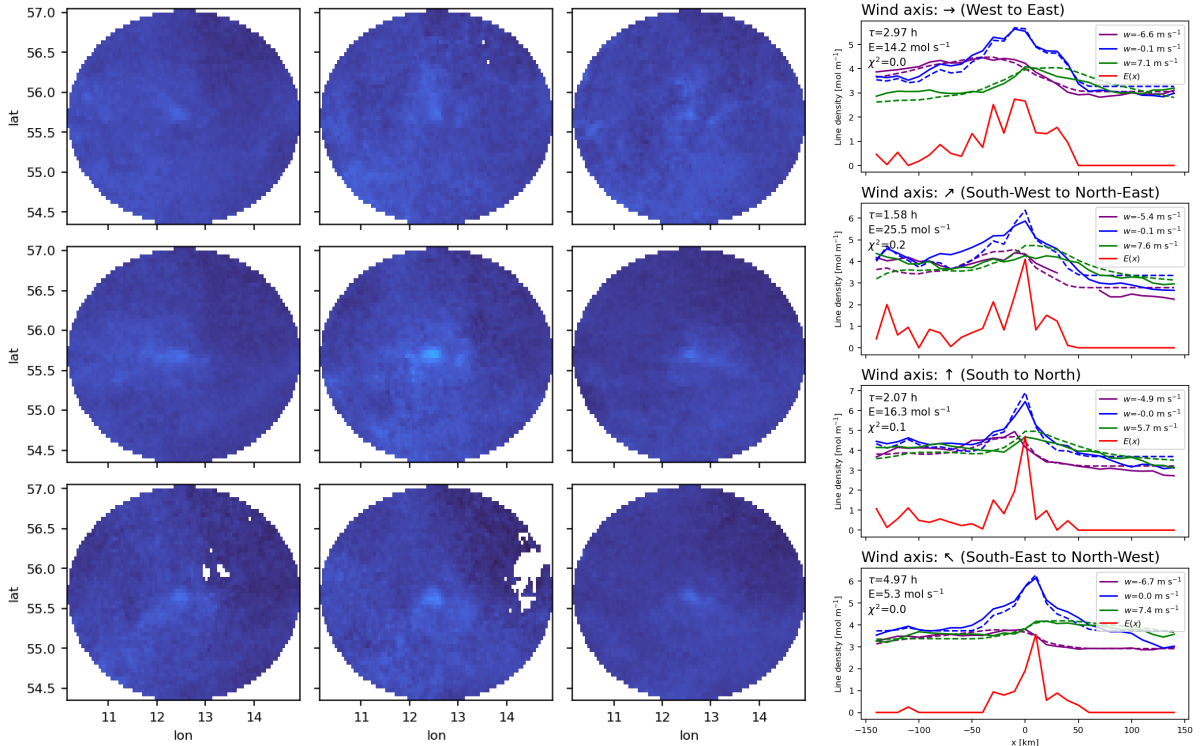
91.1 Winter



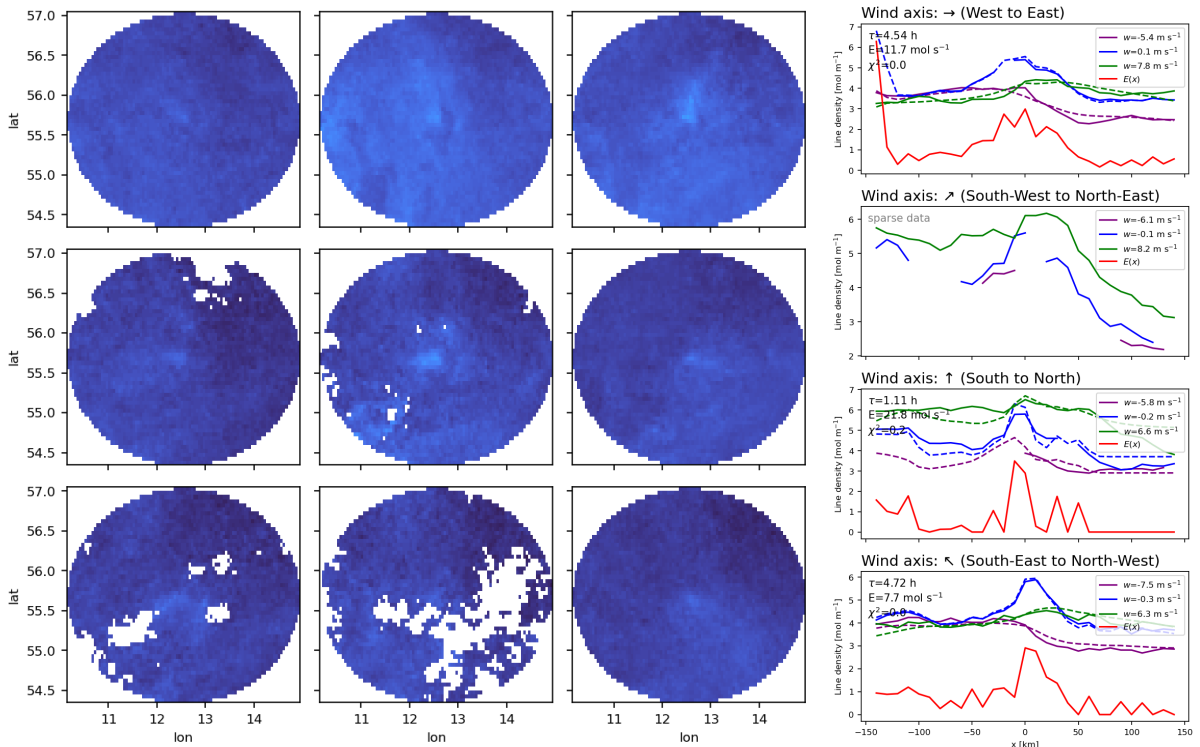
91.2 Spring



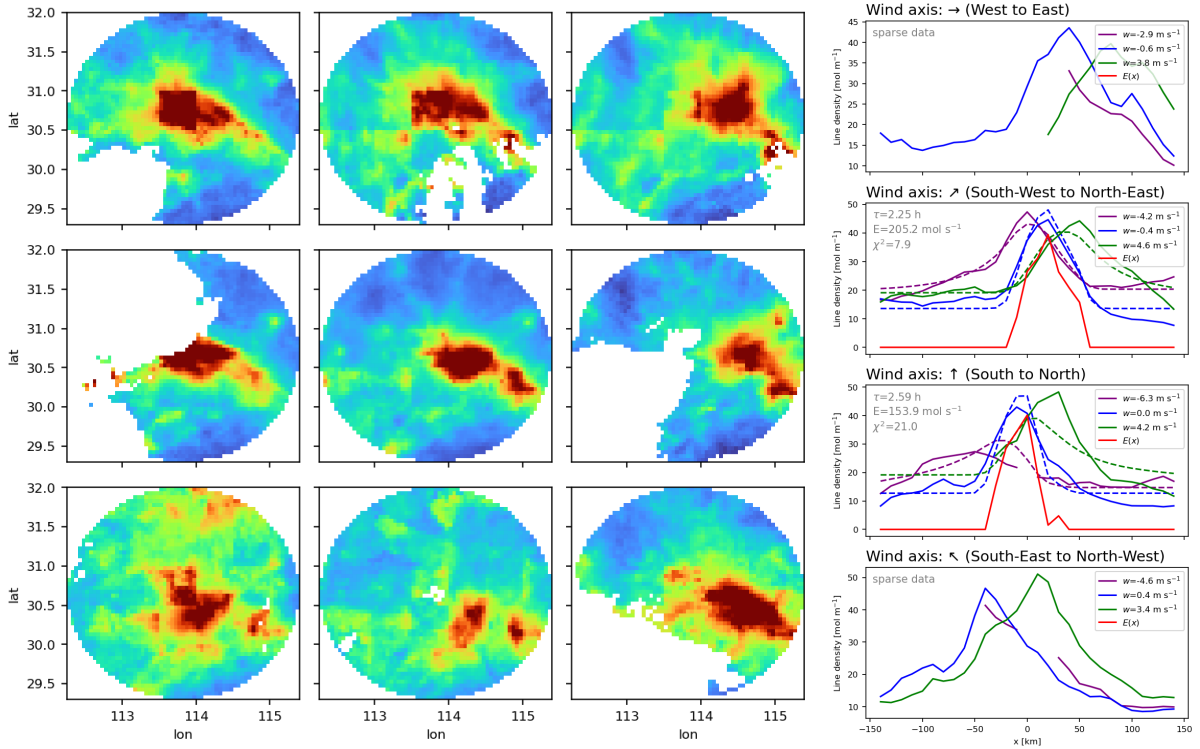
91.3 Summer



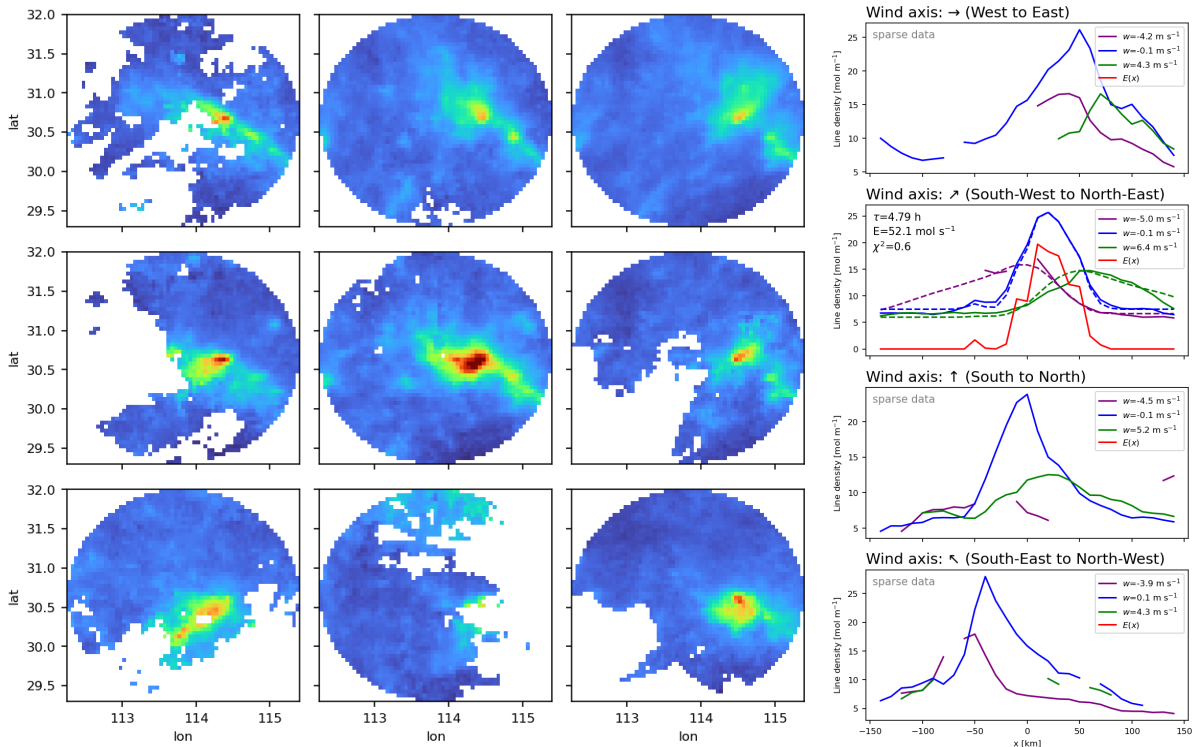
91.4 Autumn



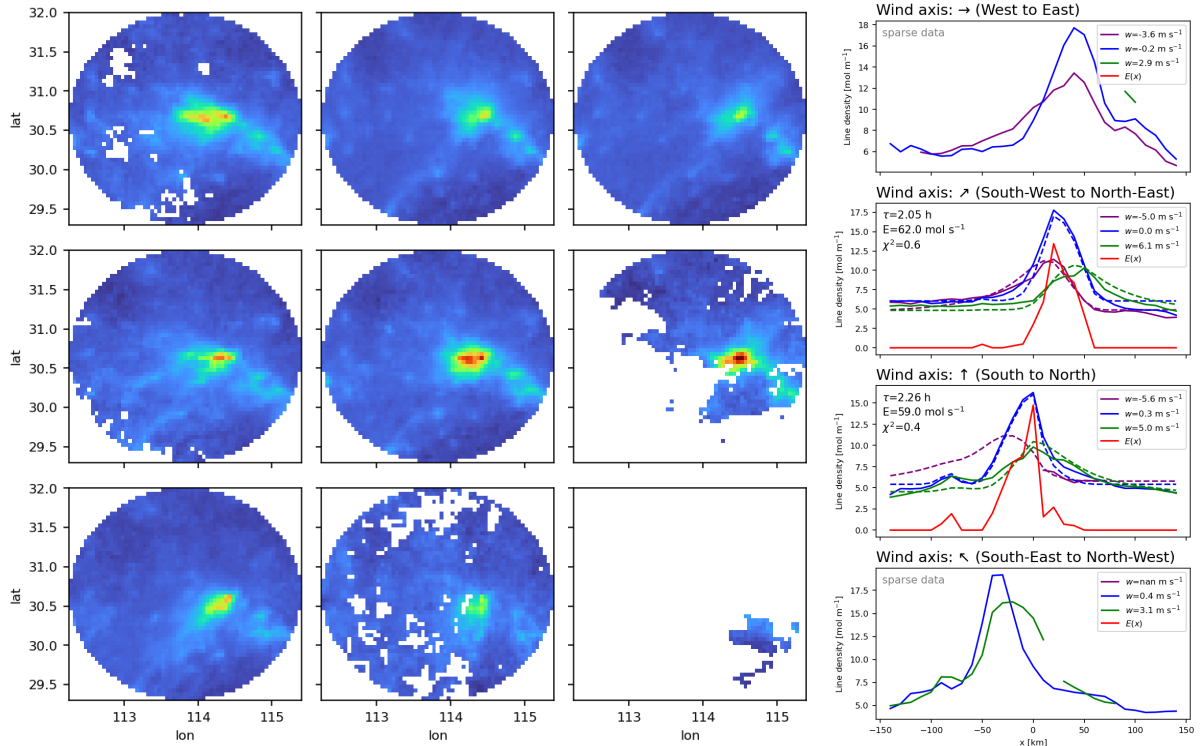
92.1 Winter



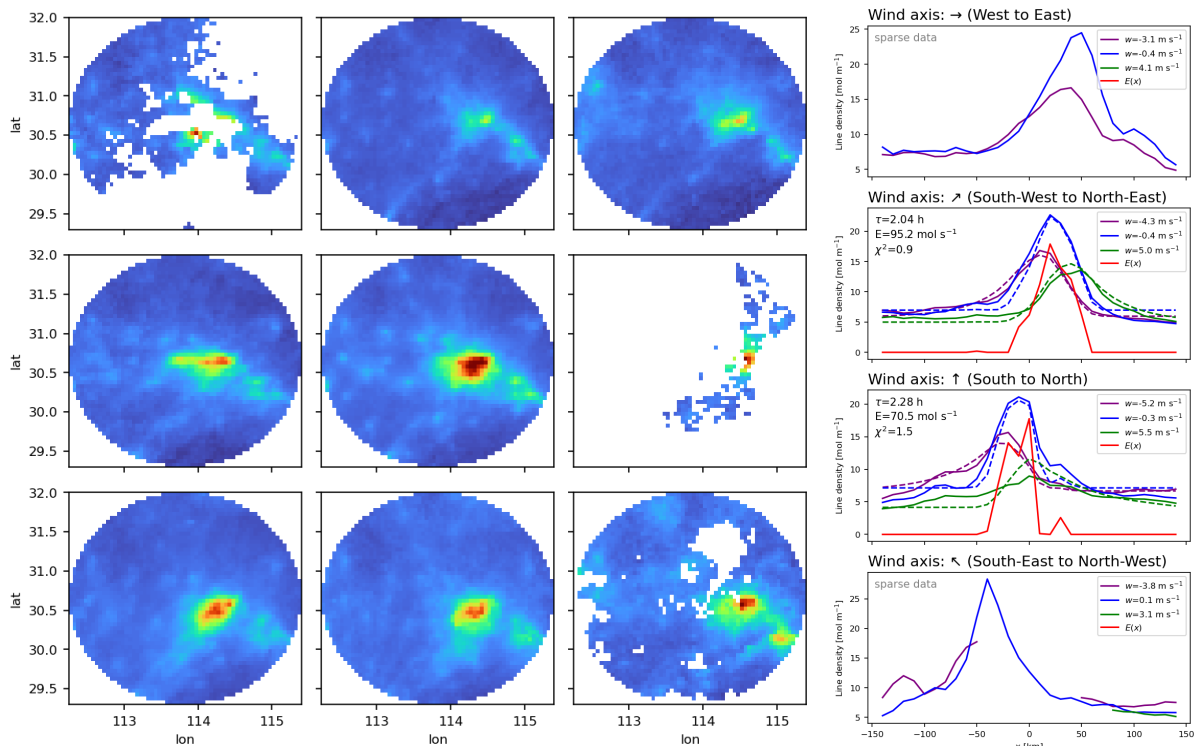
92.2 Spring



92.3 Summer

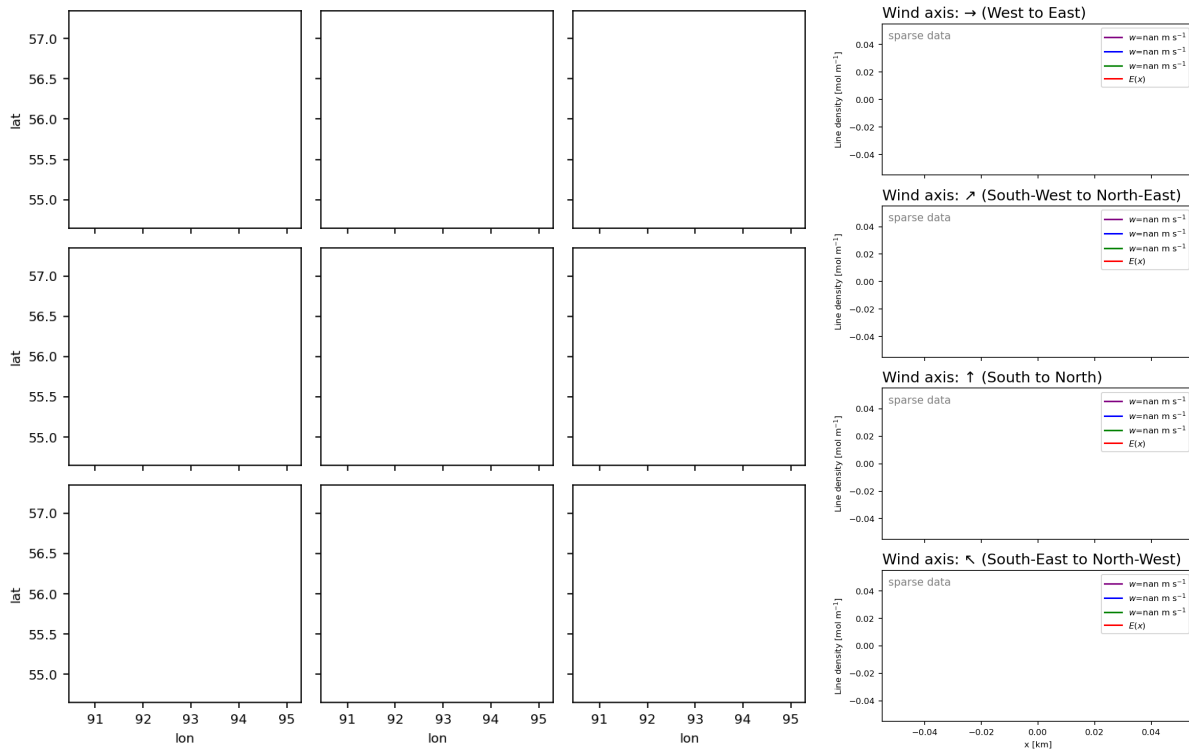


92.4 Autumn

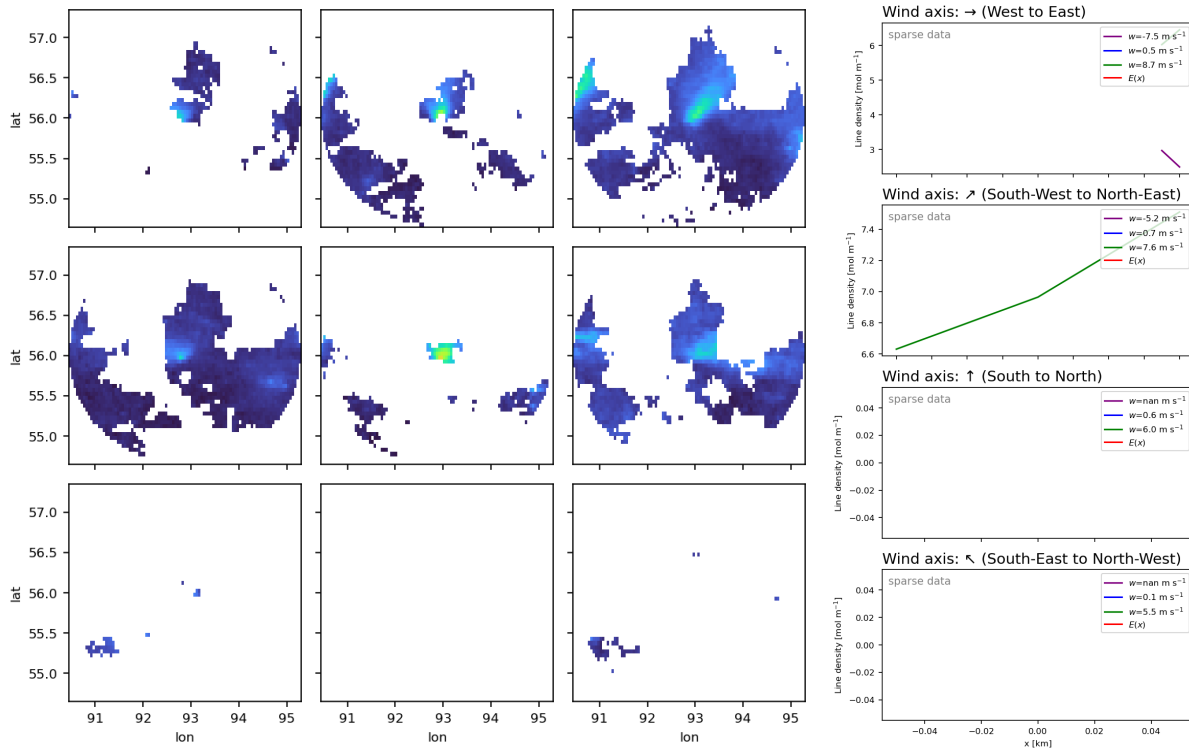


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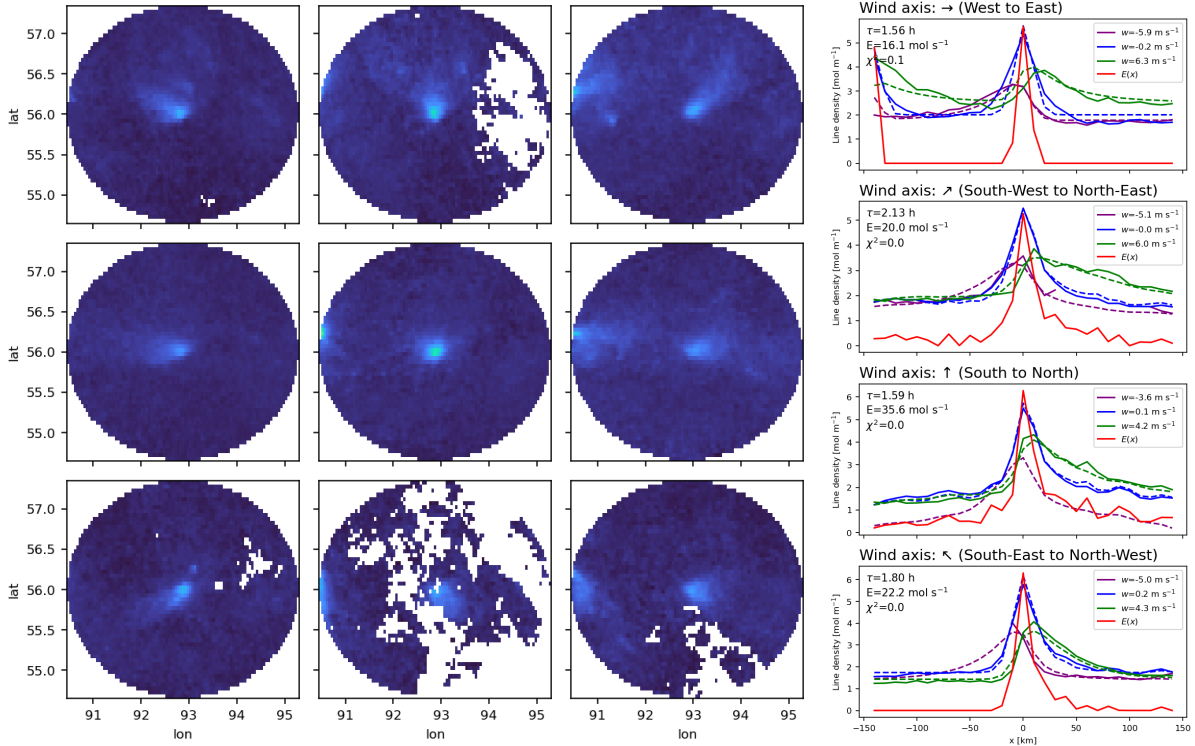
93.1 Winter



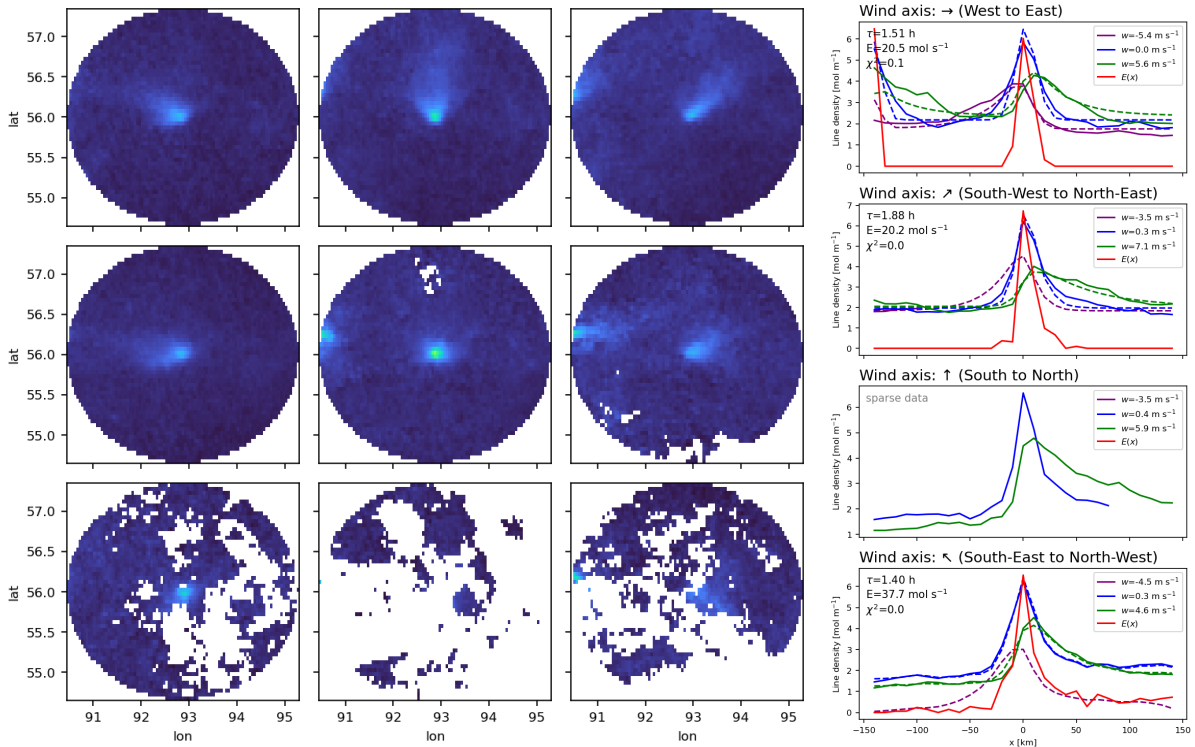
93.2 Spring



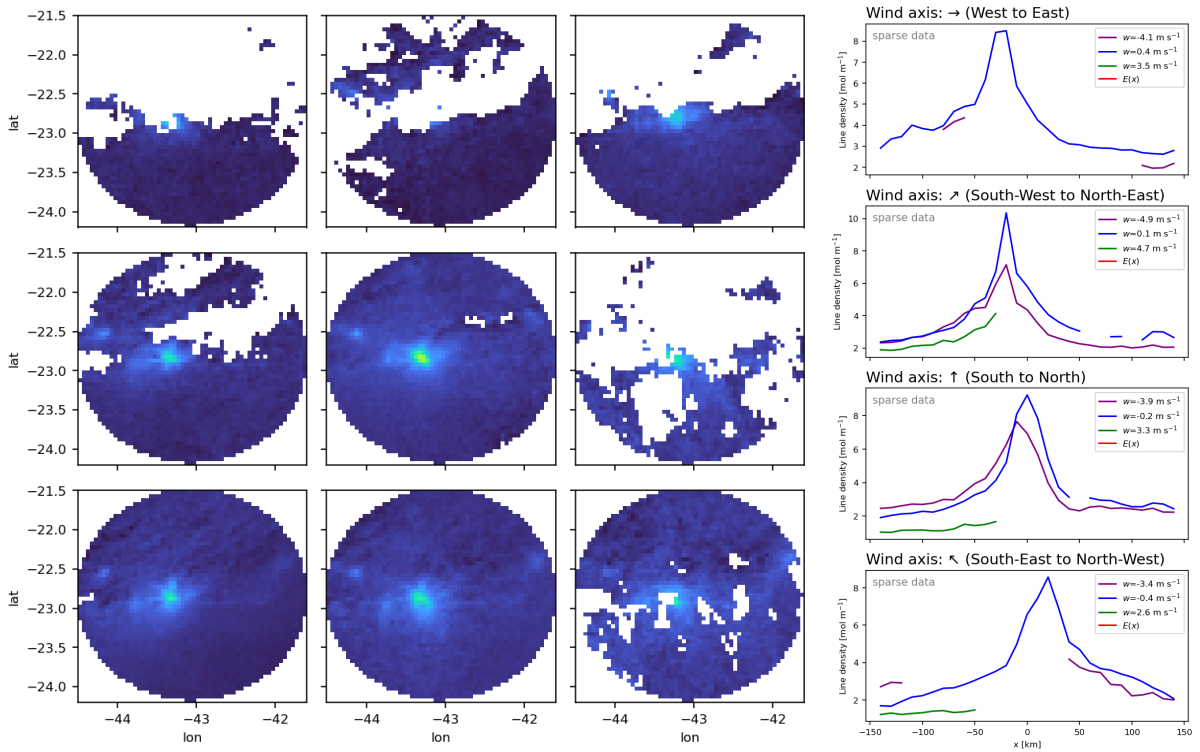
93.3 Summer



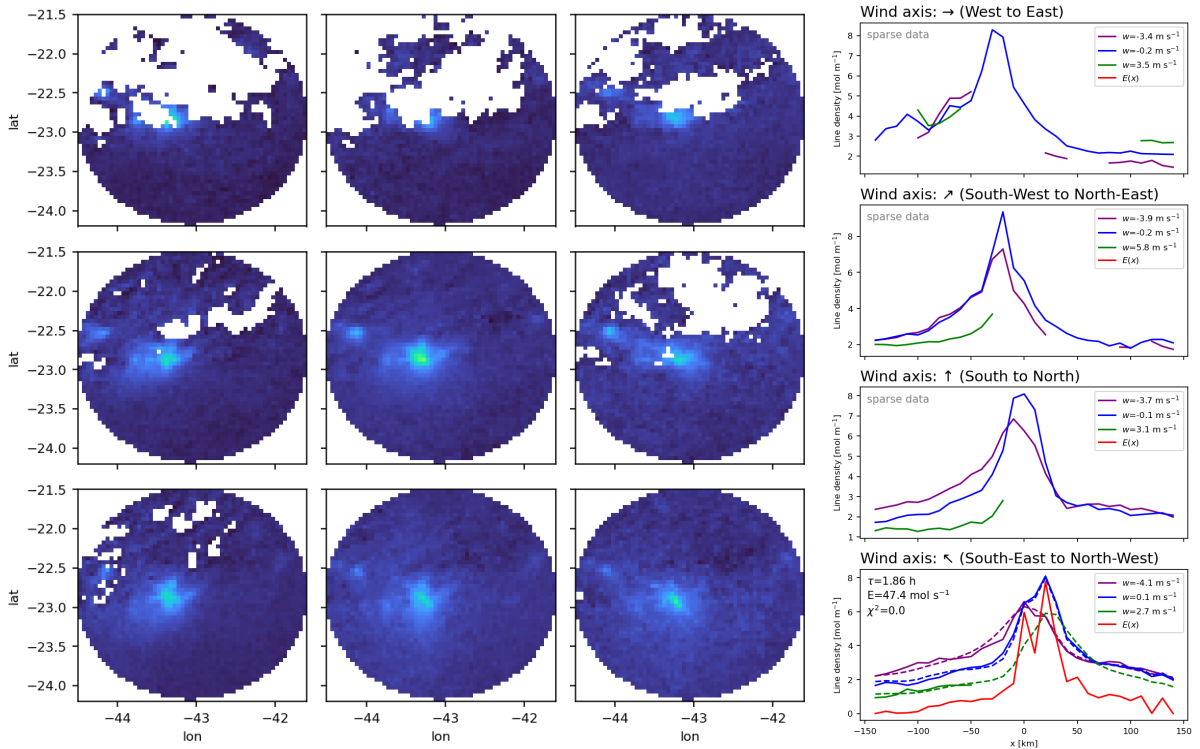
93.4 Autumn



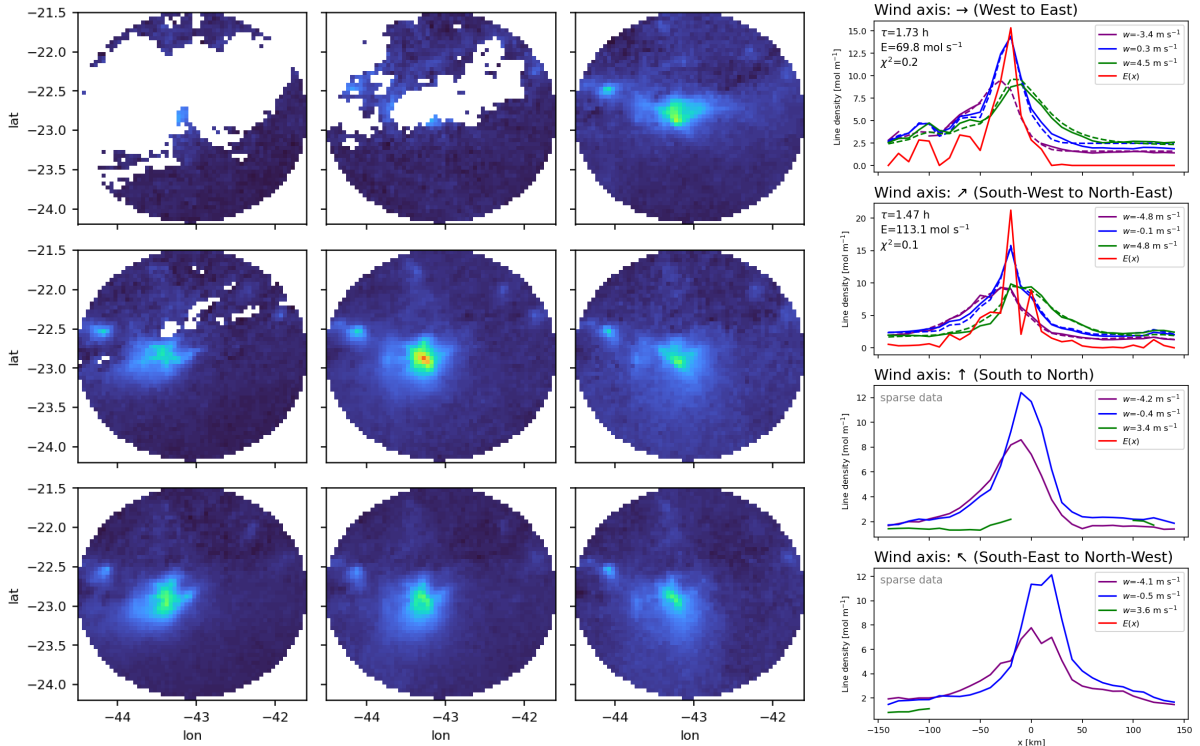
94.1 Winter



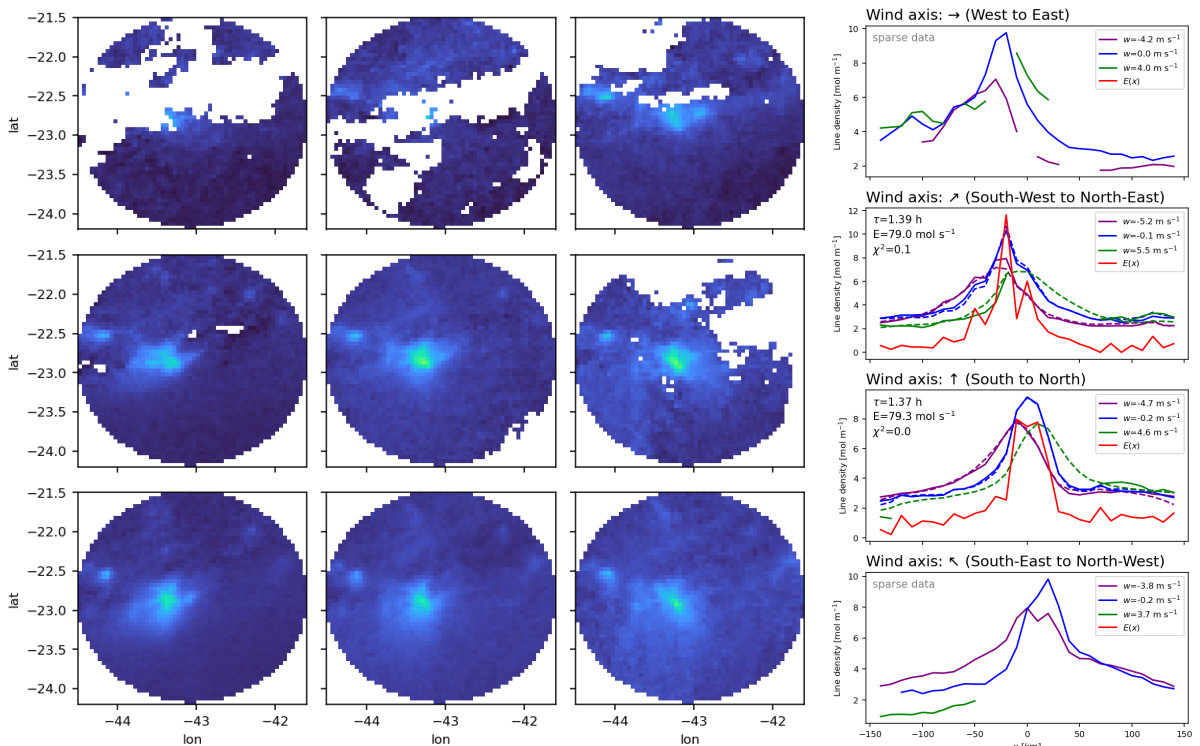
94.2 Spring



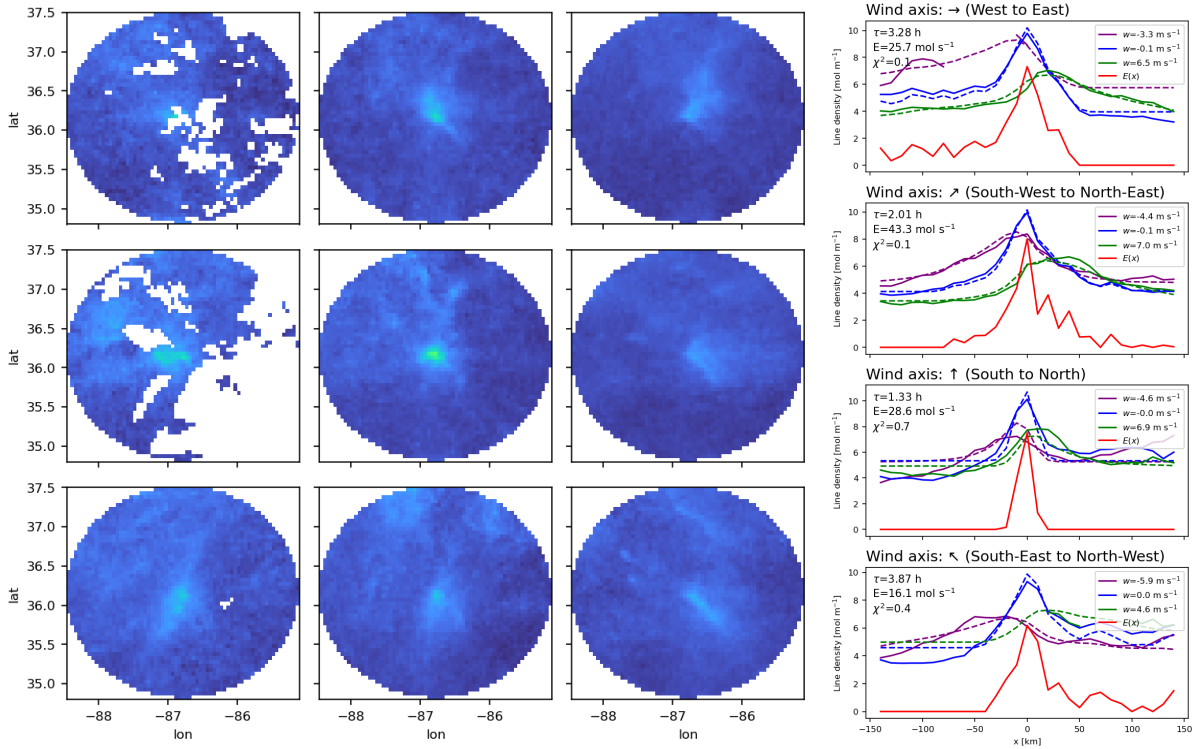
94.3 Summer



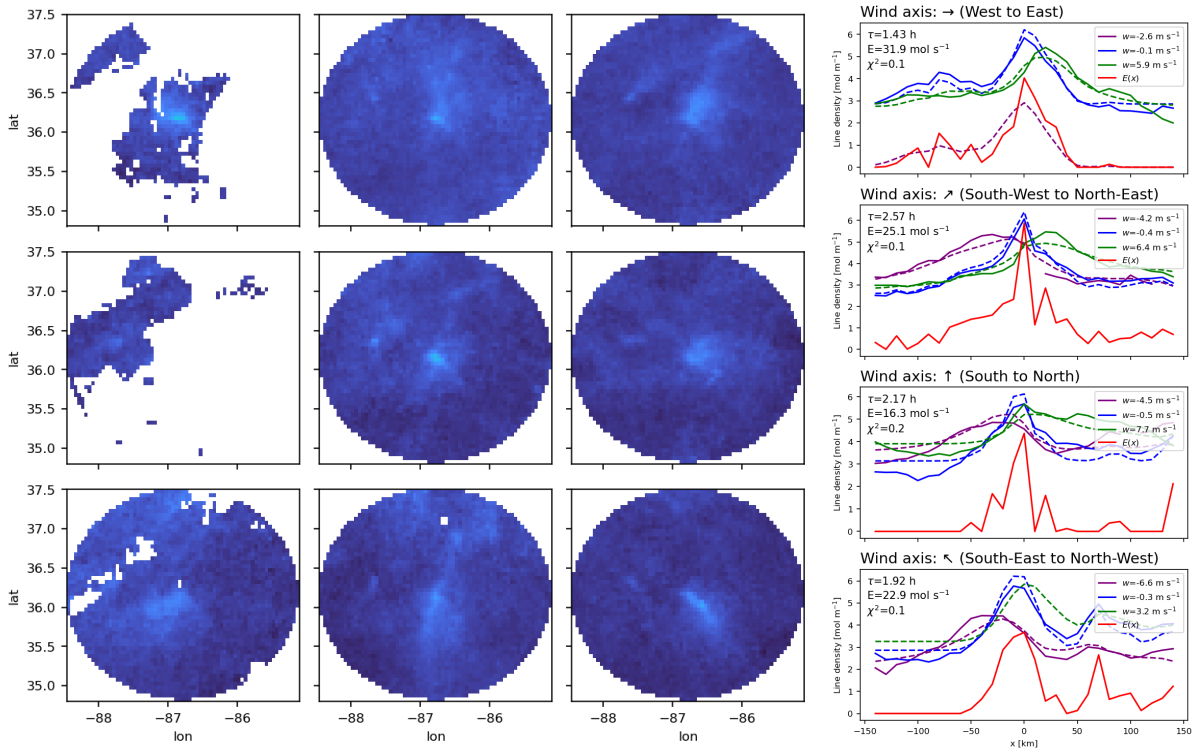
94.4 Autumn



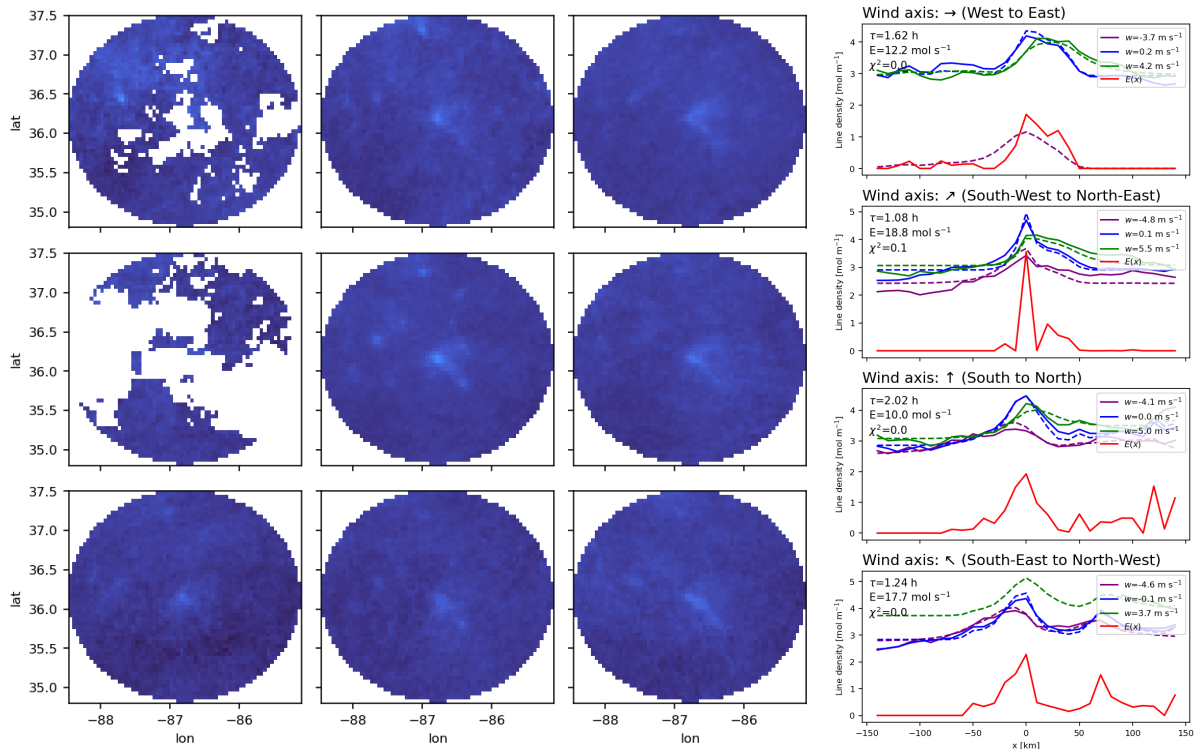
95.1 Winter



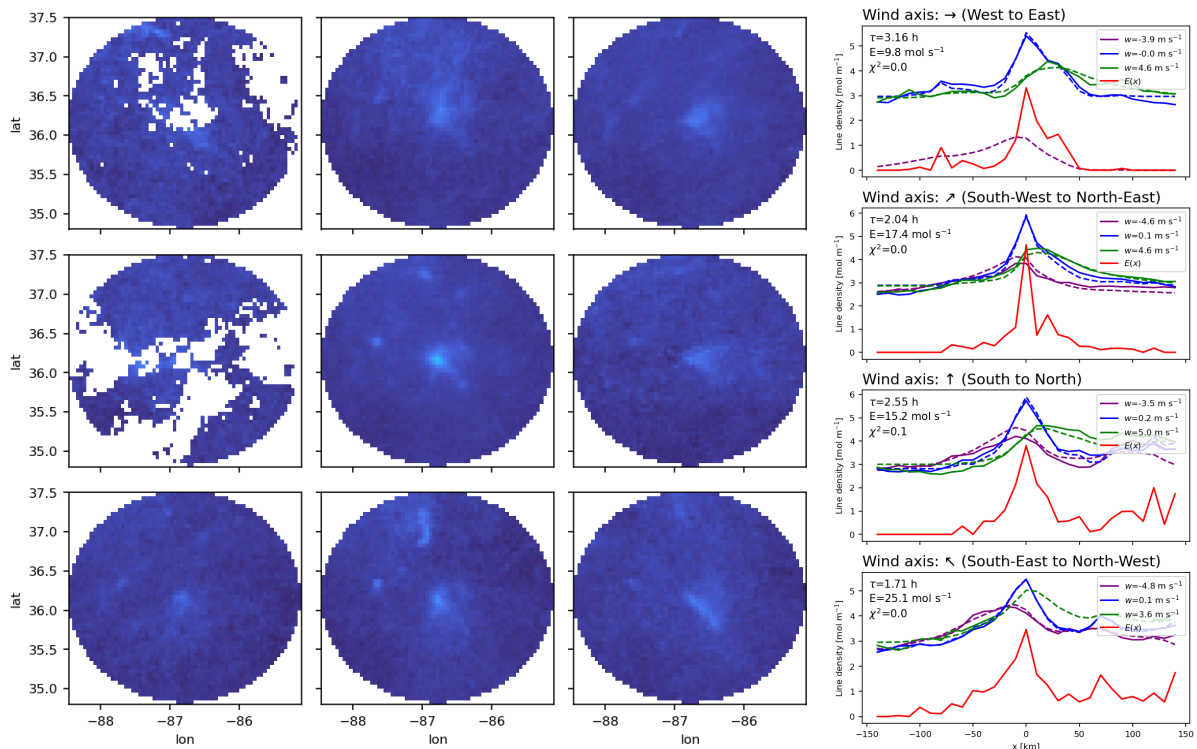
95.2 Spring



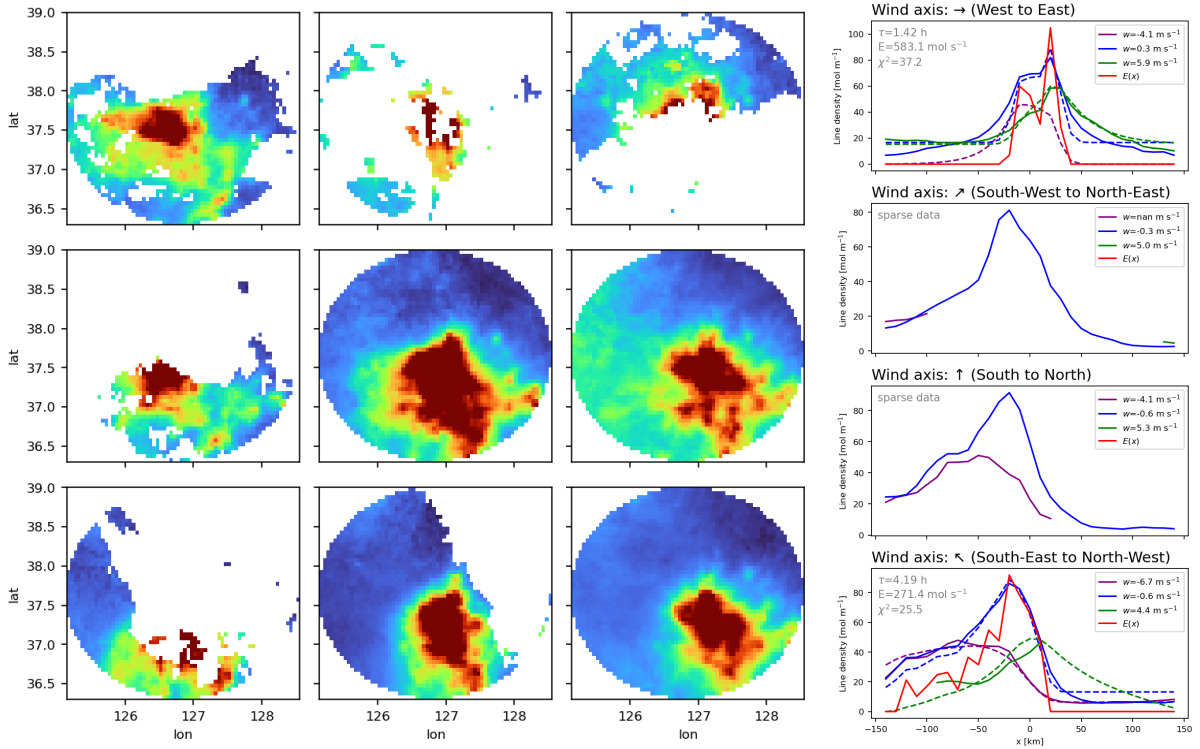
95.3 Summer



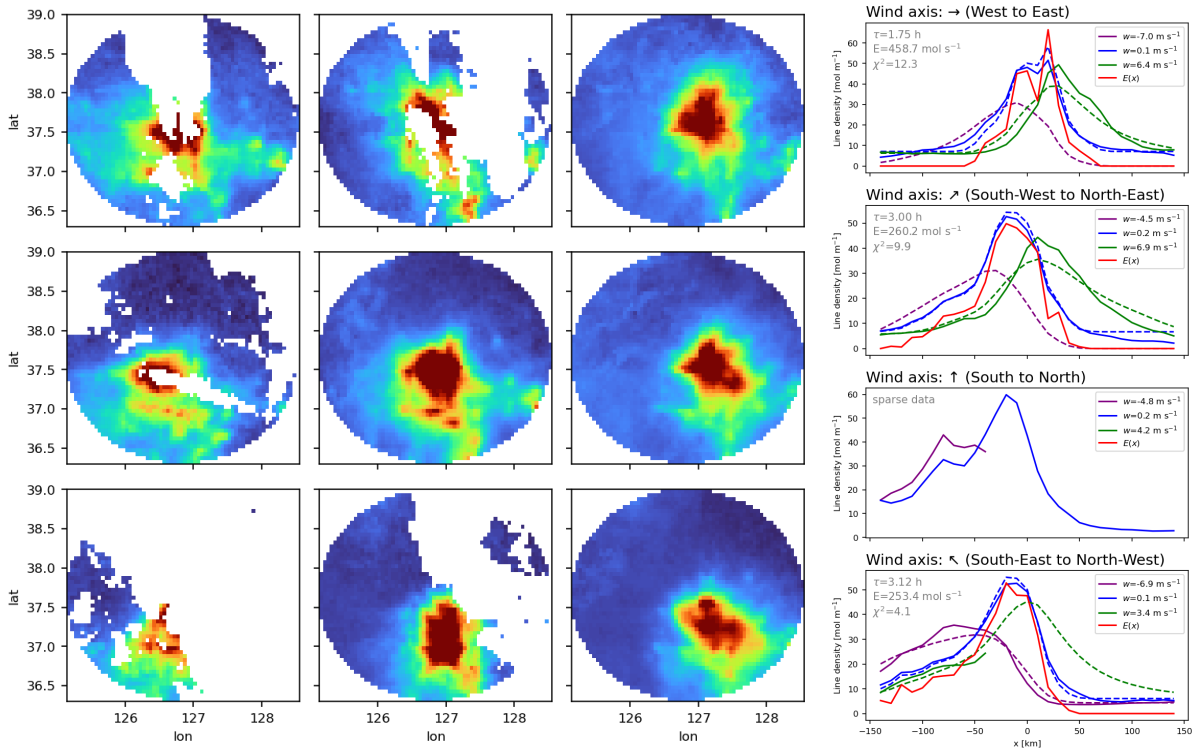
95.4 Autumn



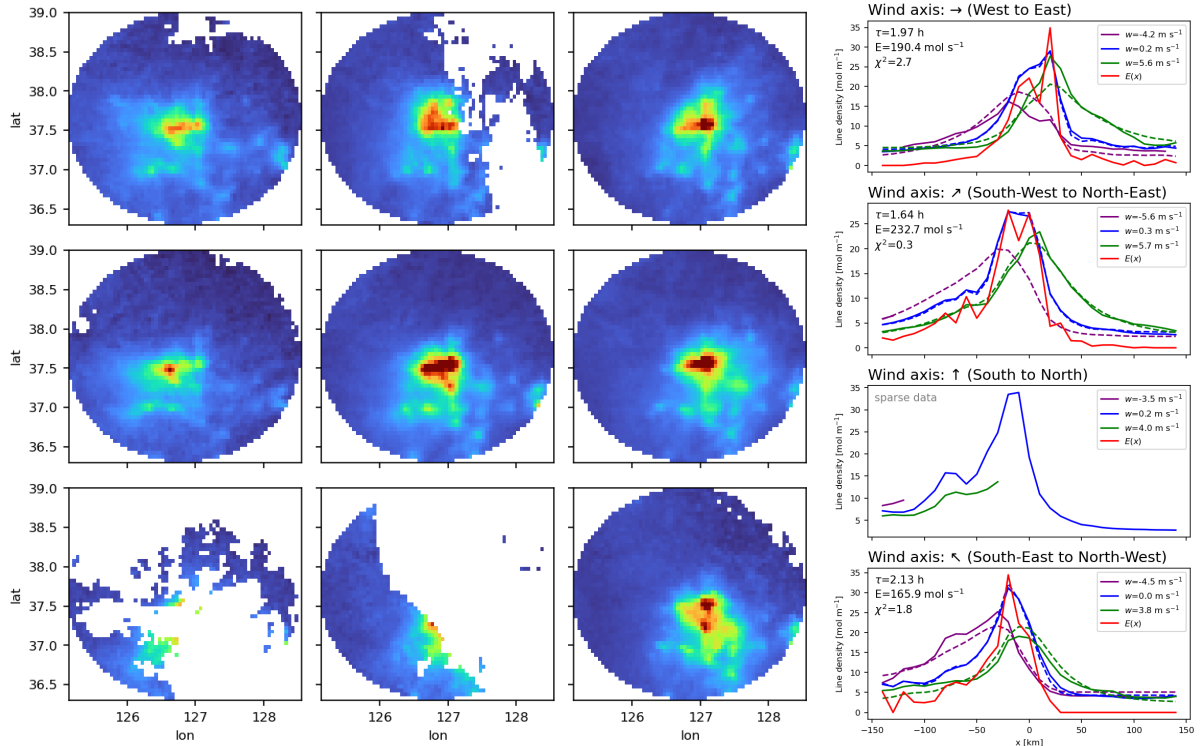
96.1 Winter



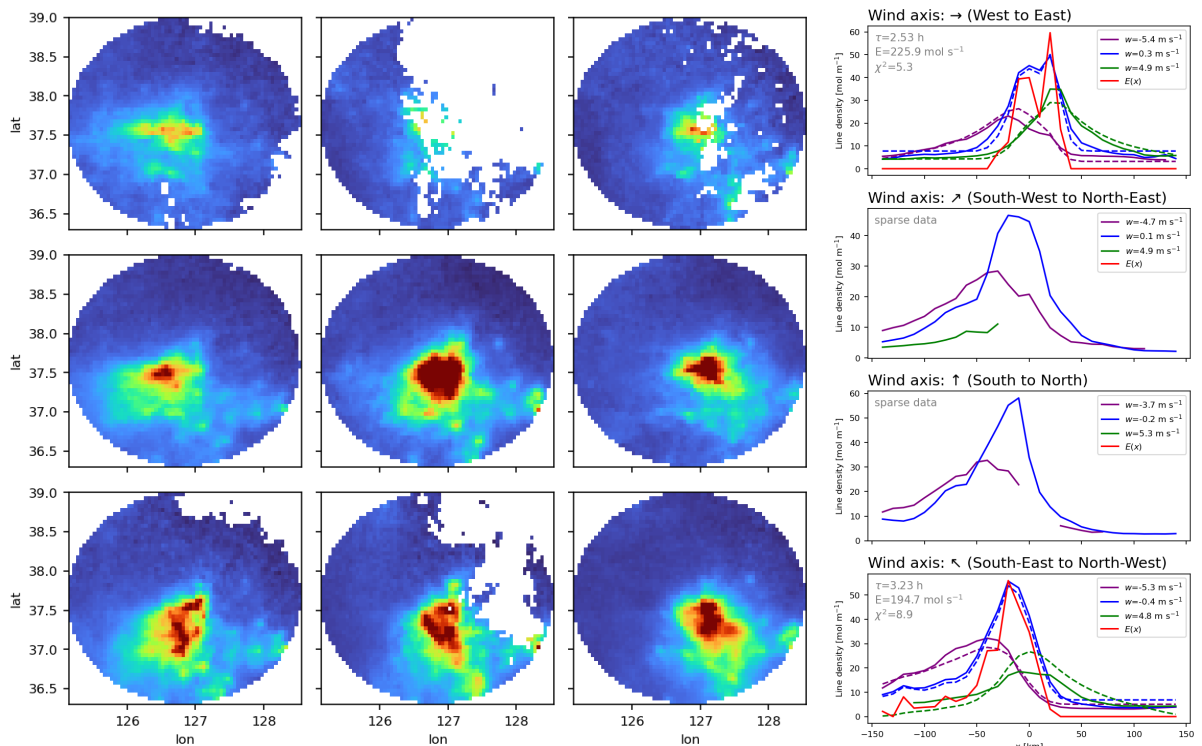
96.2 Spring



96.3 Summer

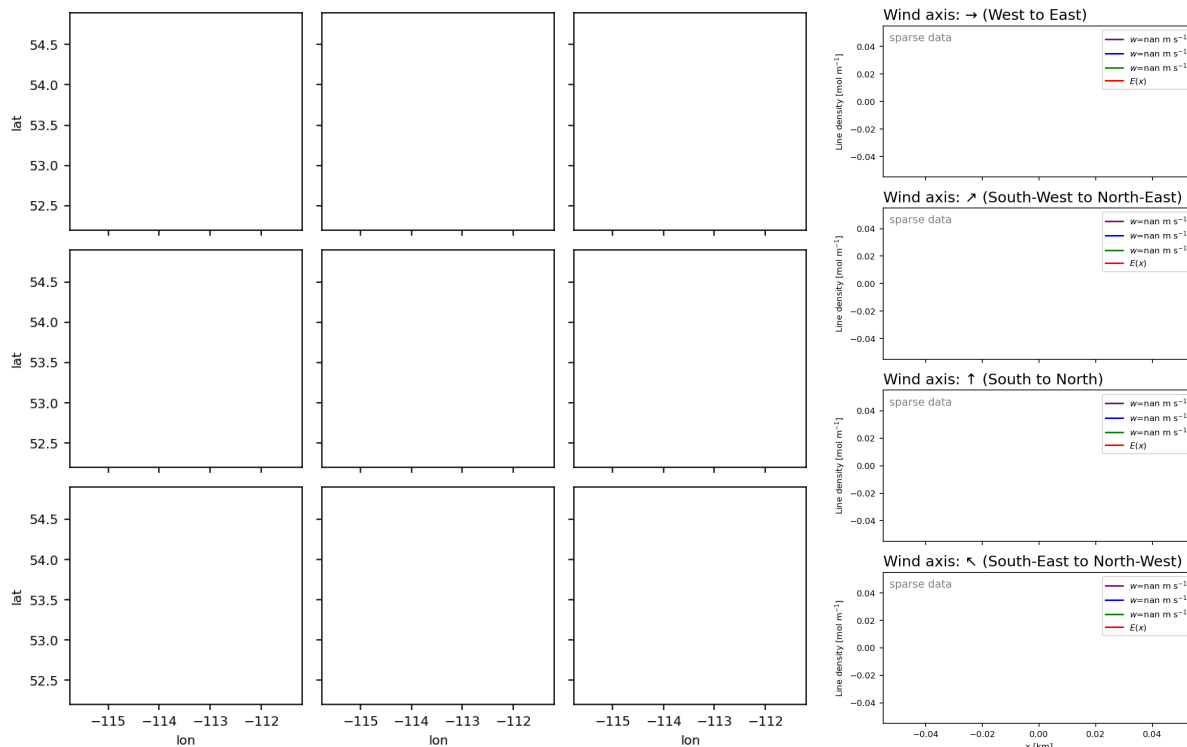


96.4 Autumn

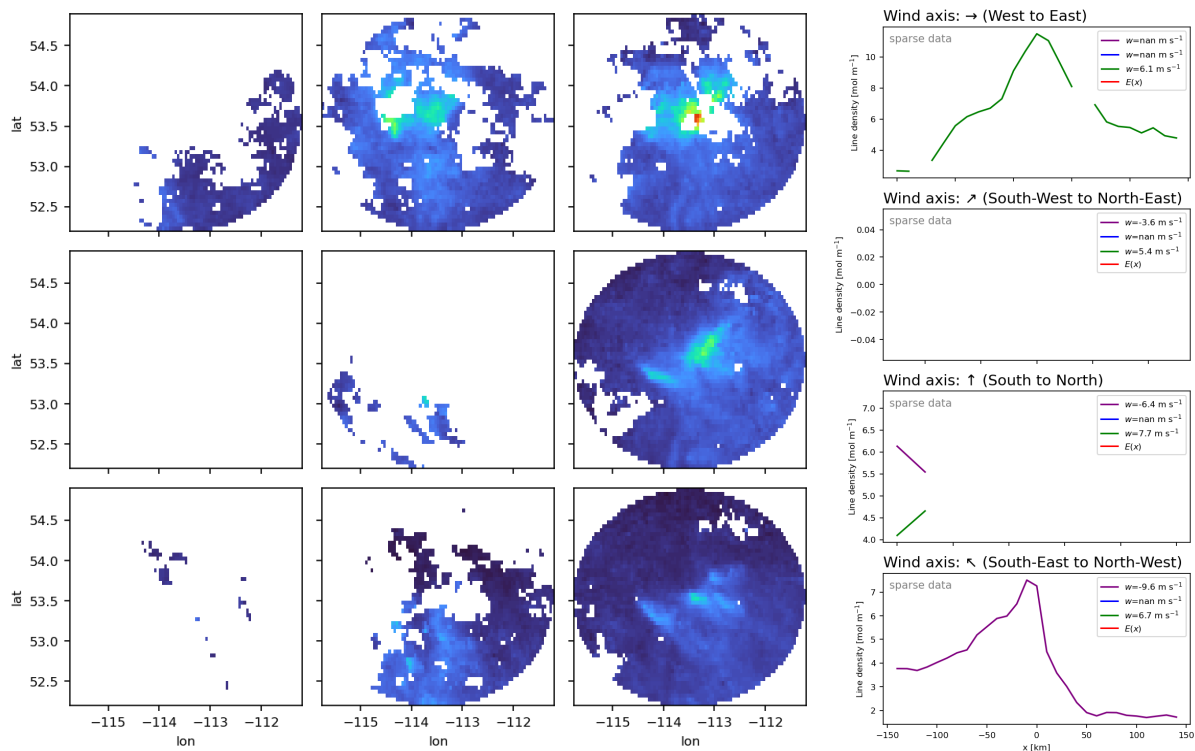


97 Edmonton

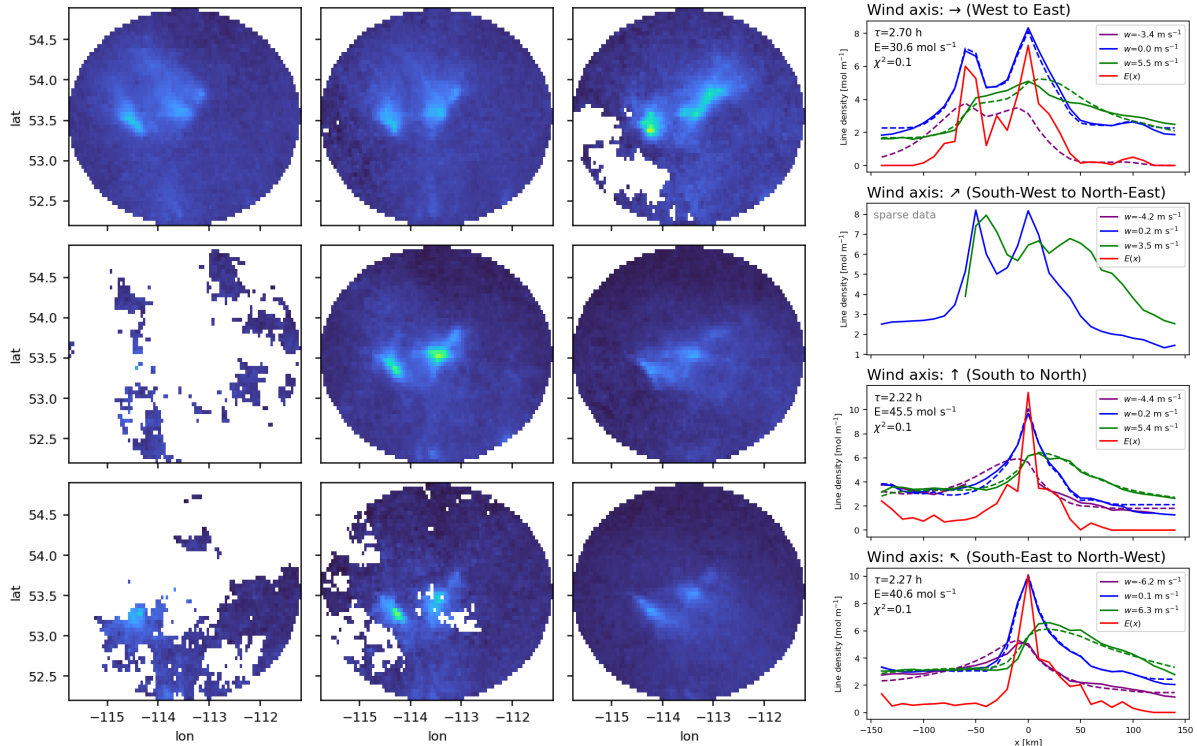
97.1 Winter



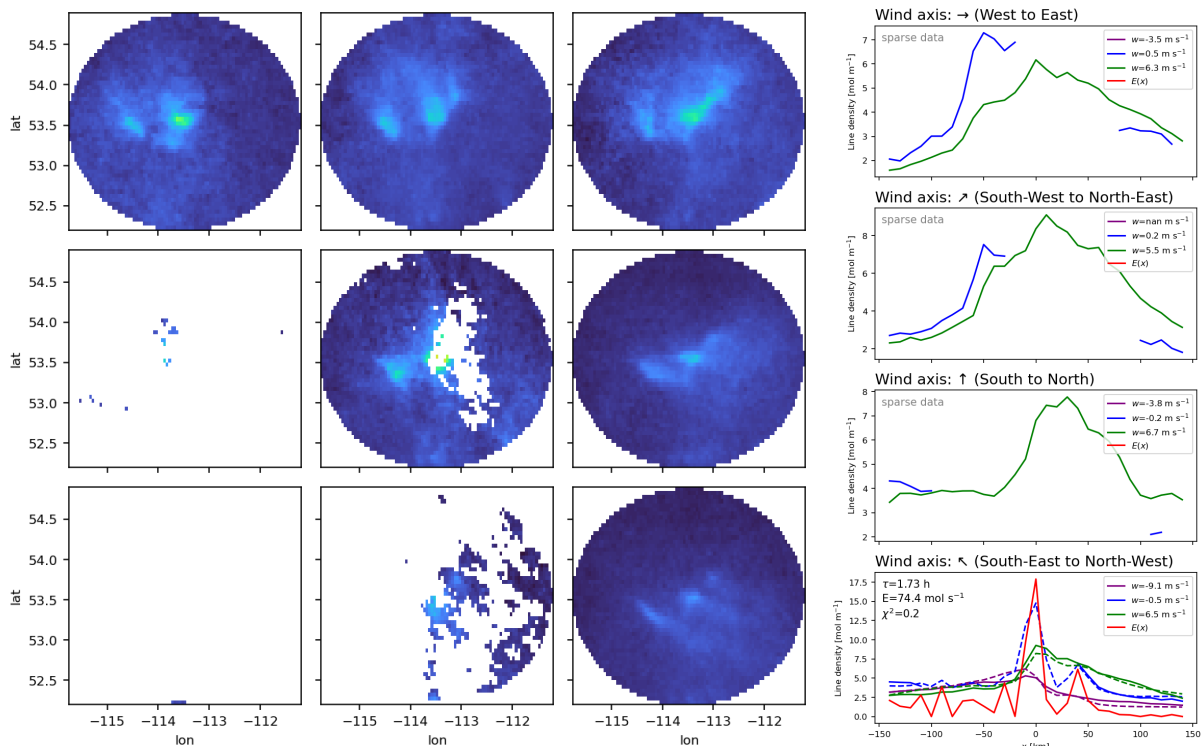
97.2 Spring



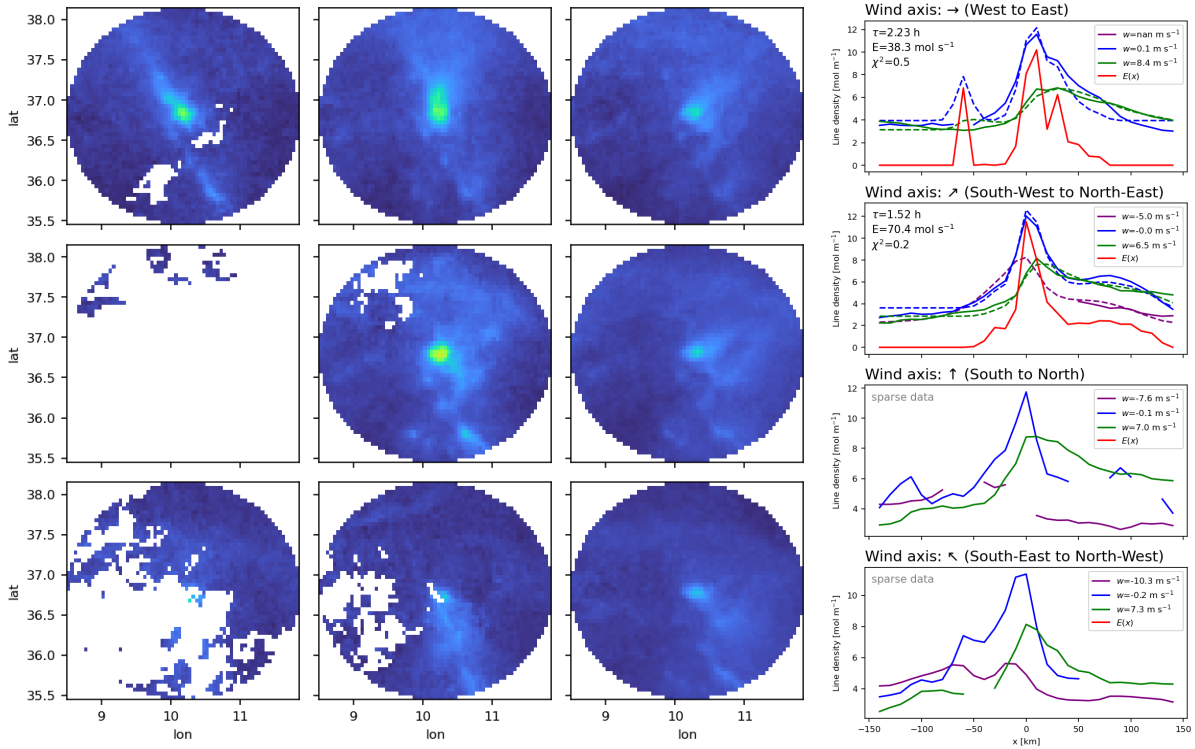
97.3 Summer



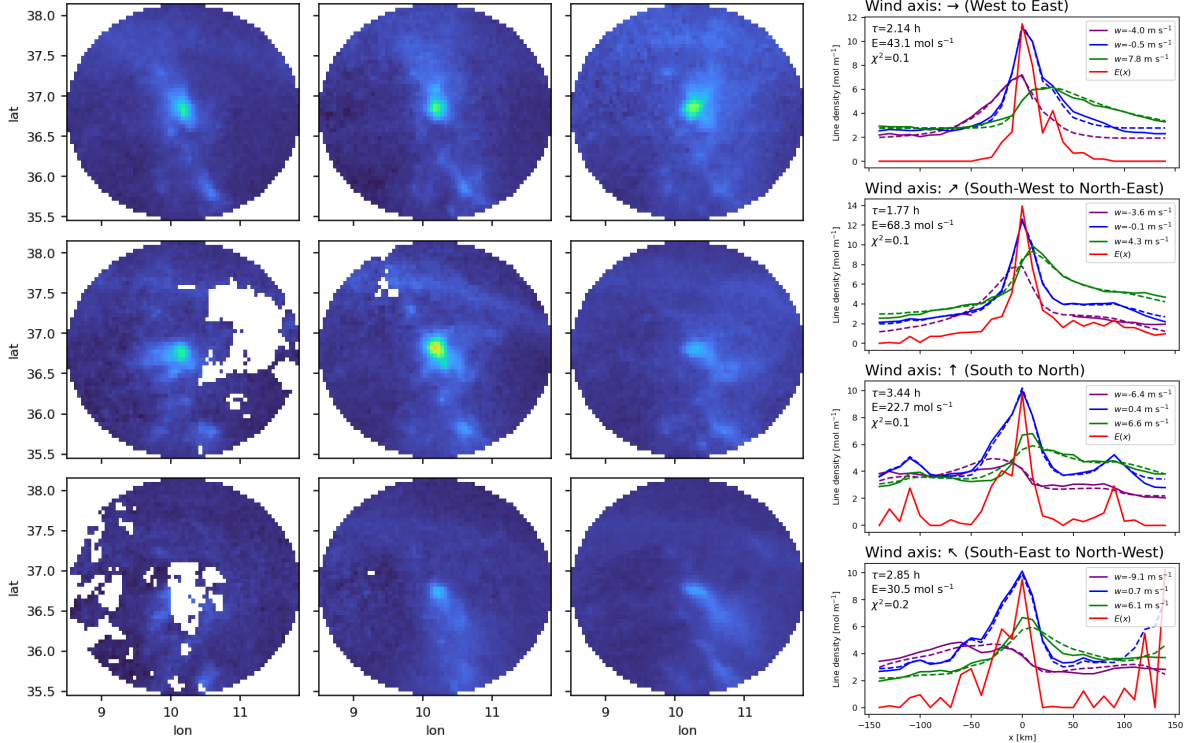
97.4 Autumn



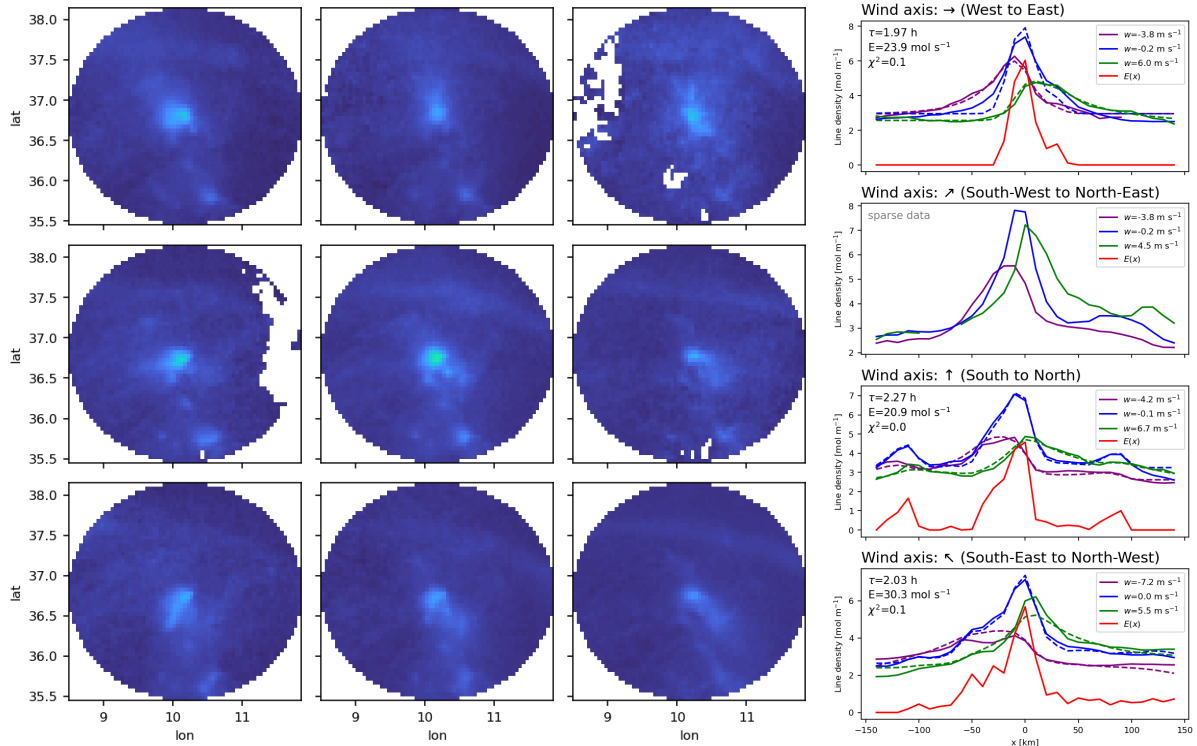
98.1 Winter



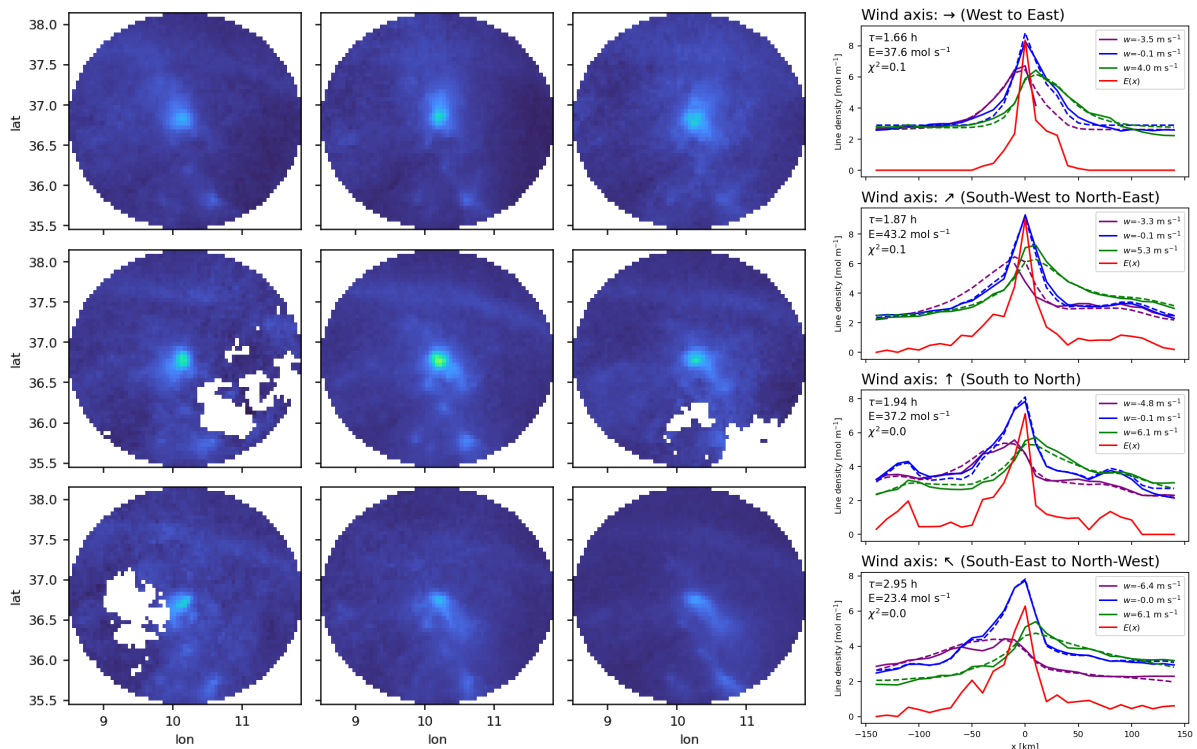
98.2 Spring



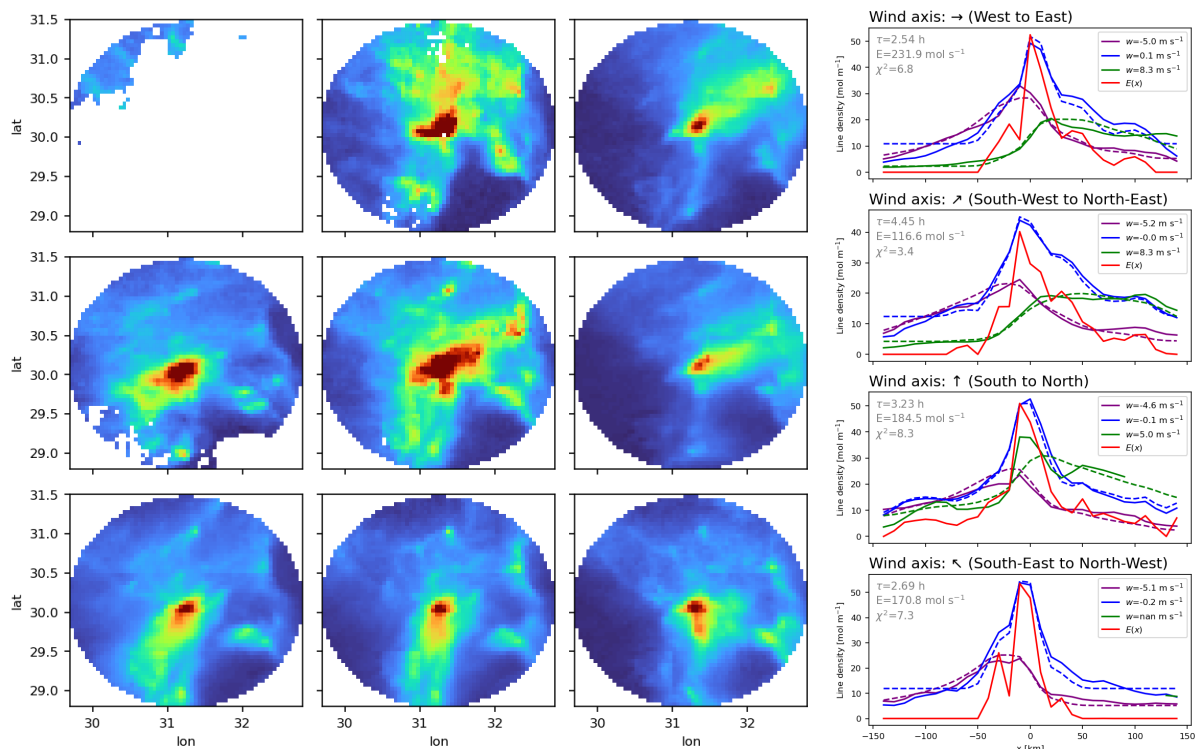
98.3 Summer



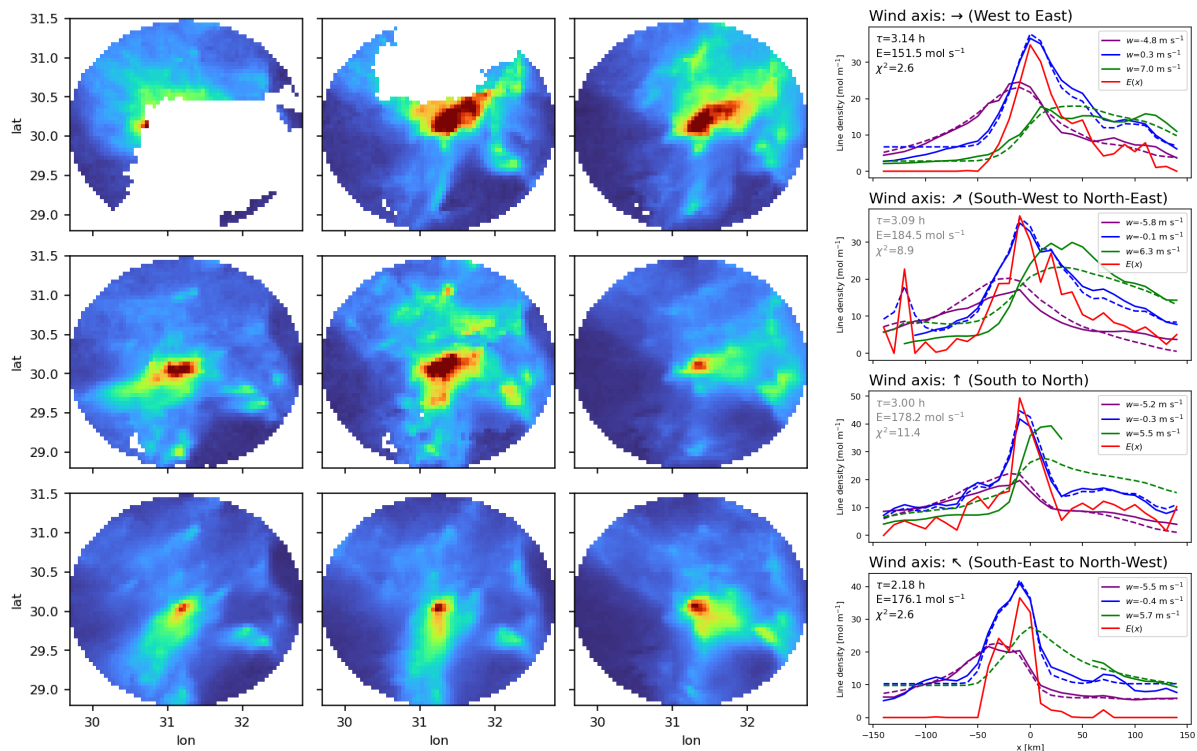
98.4 Autumn



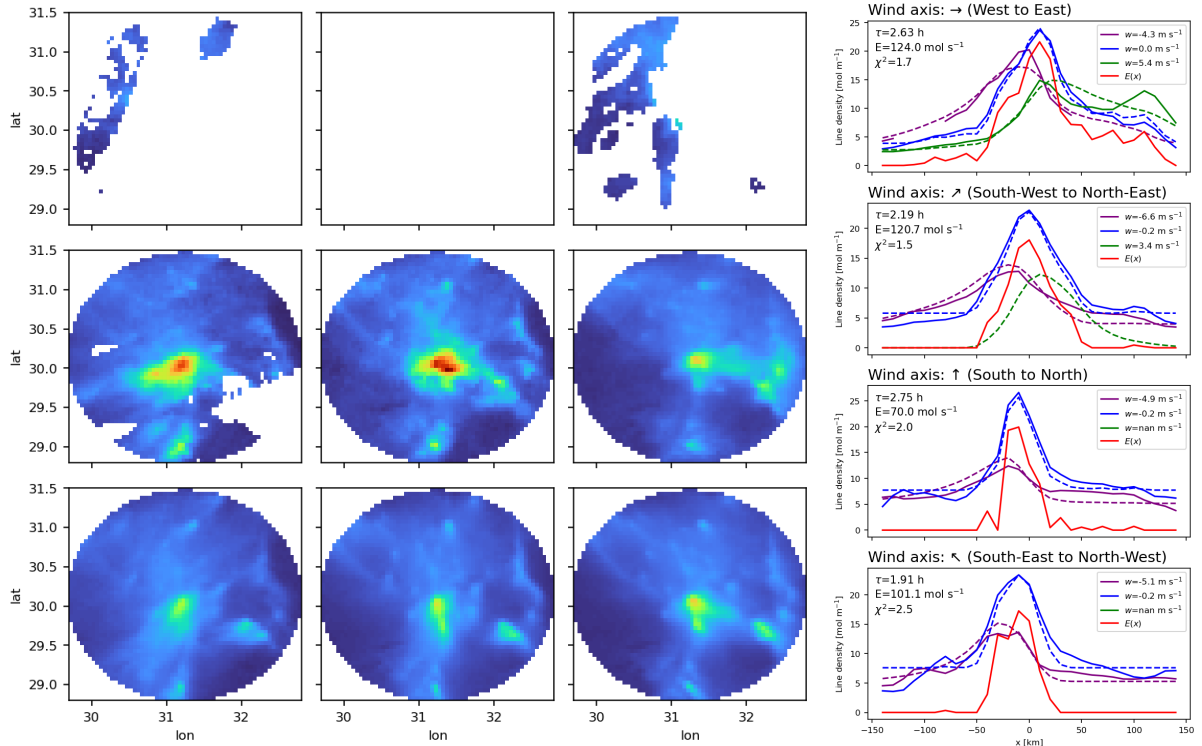
99.1 Winter



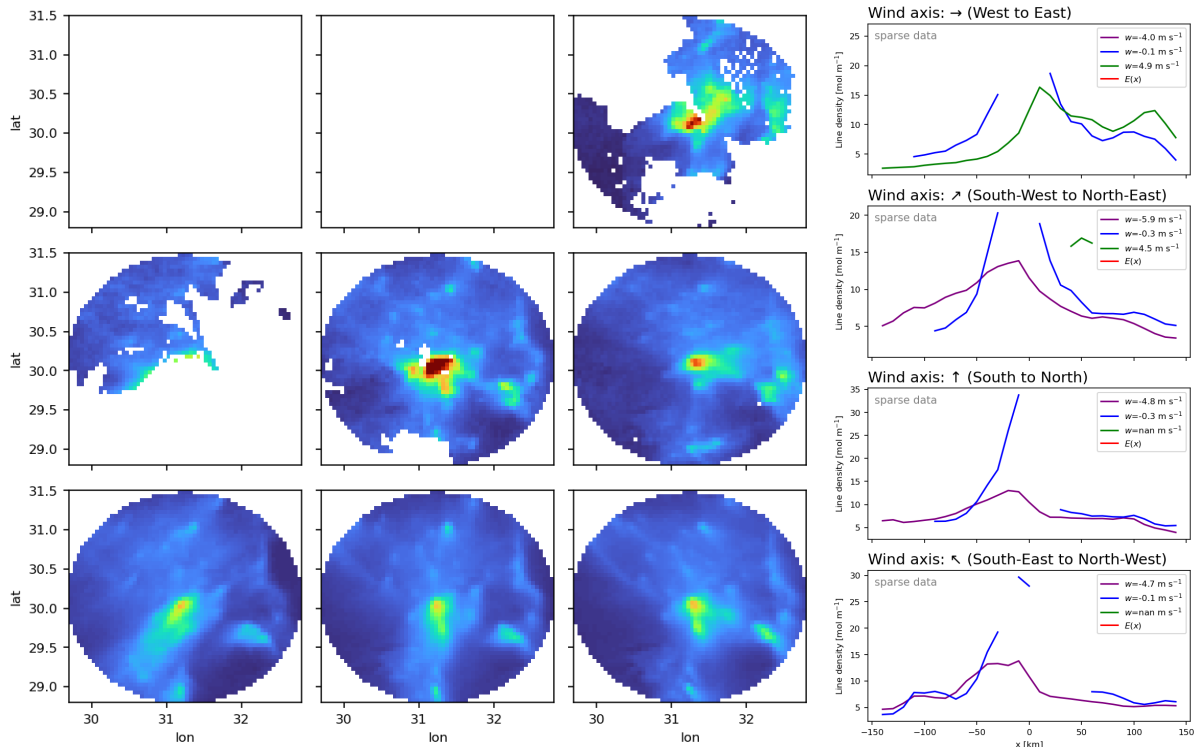
99.2 Spring



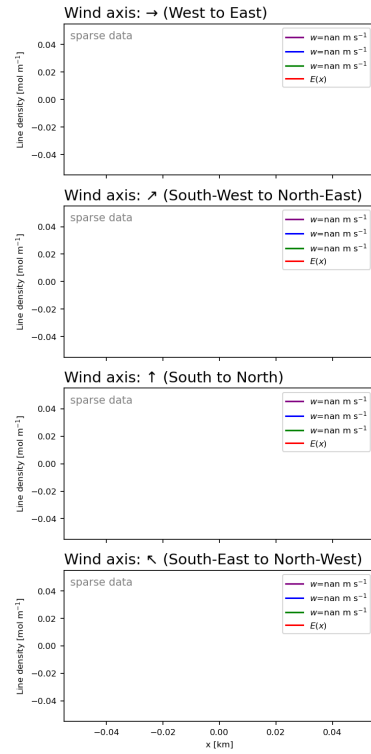
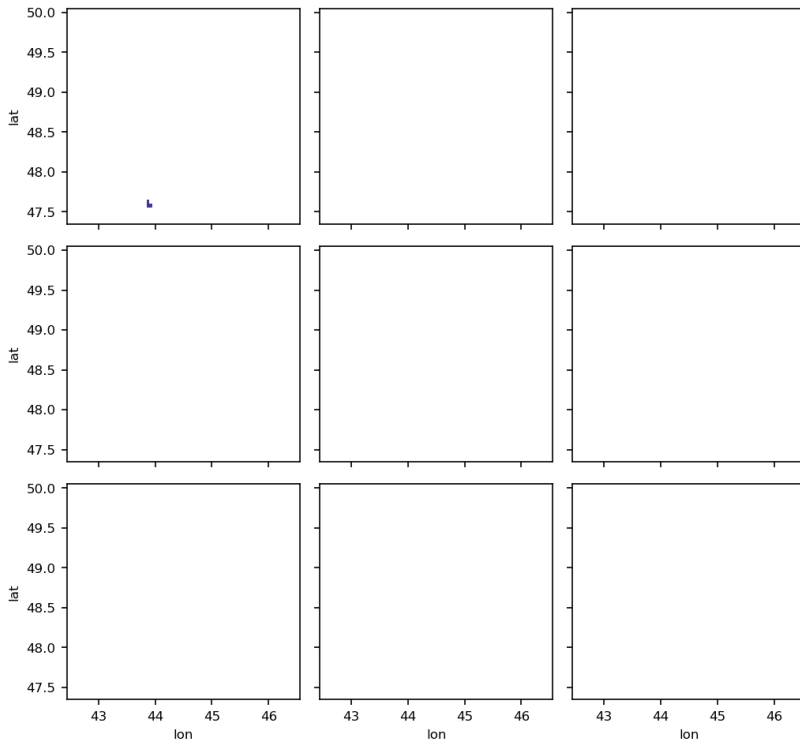
99.3 Summer



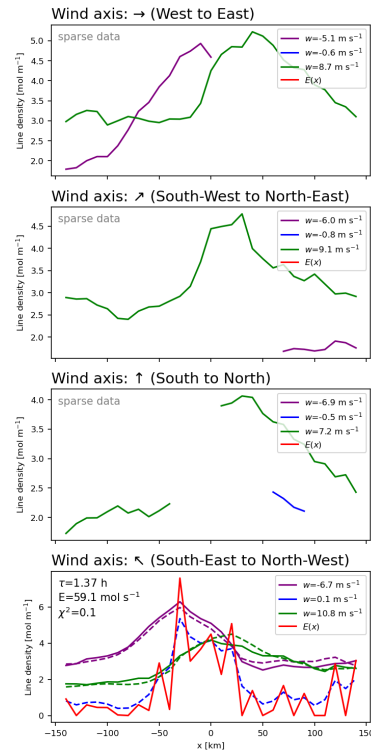
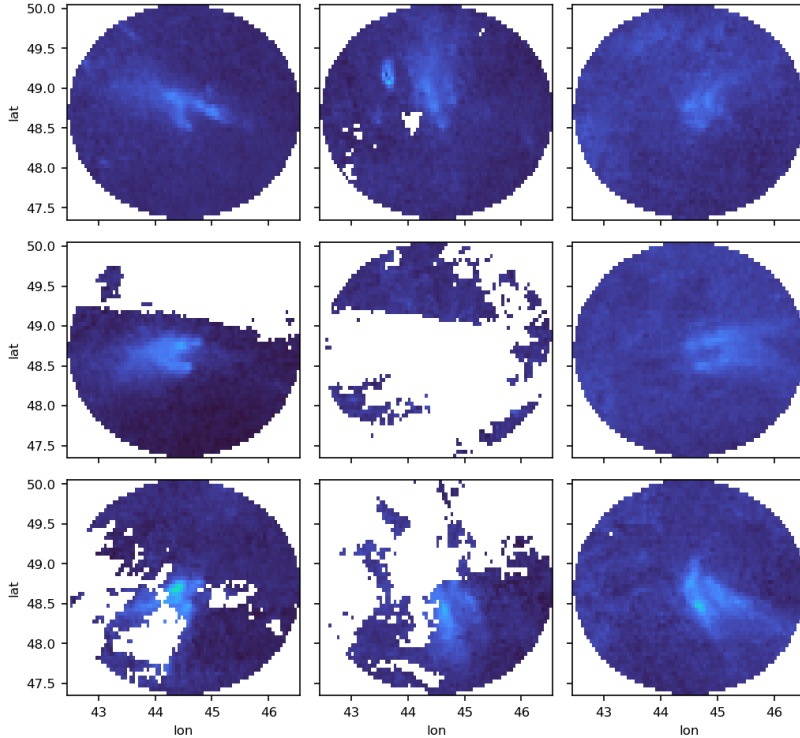
99.4 Autumn



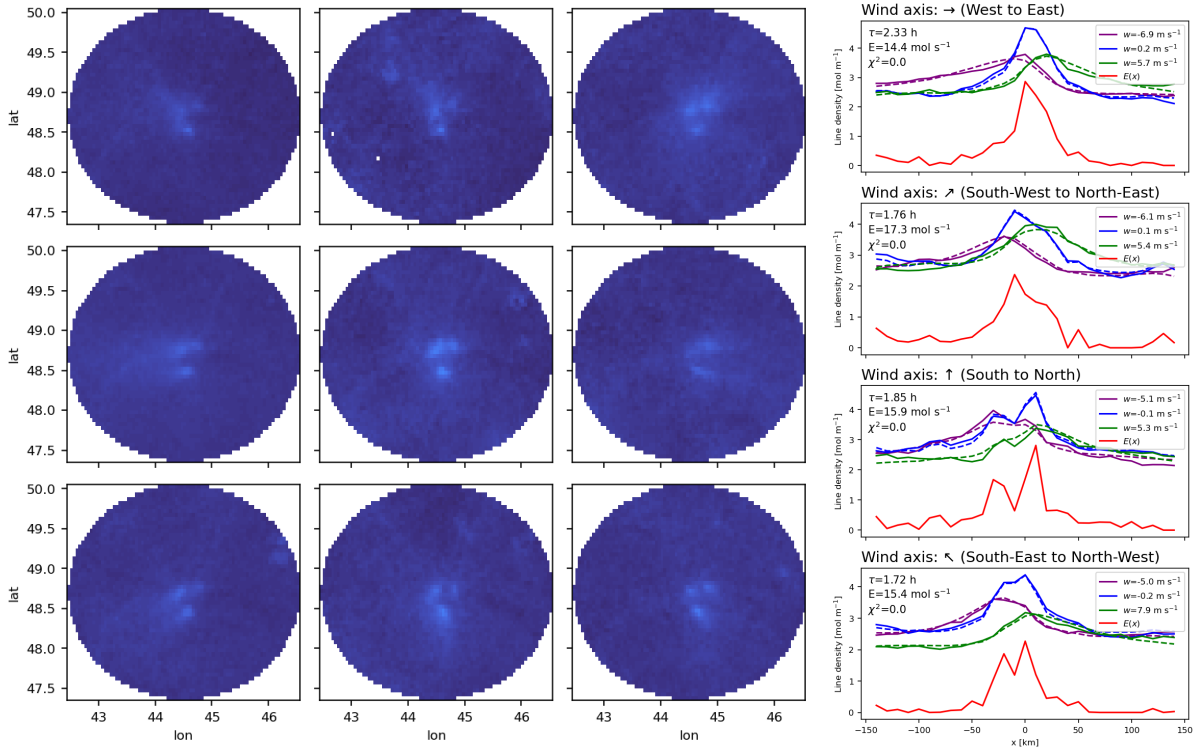
100.1 Winter



100.2 Spring



100.3 Summer



100.4 Autumn

