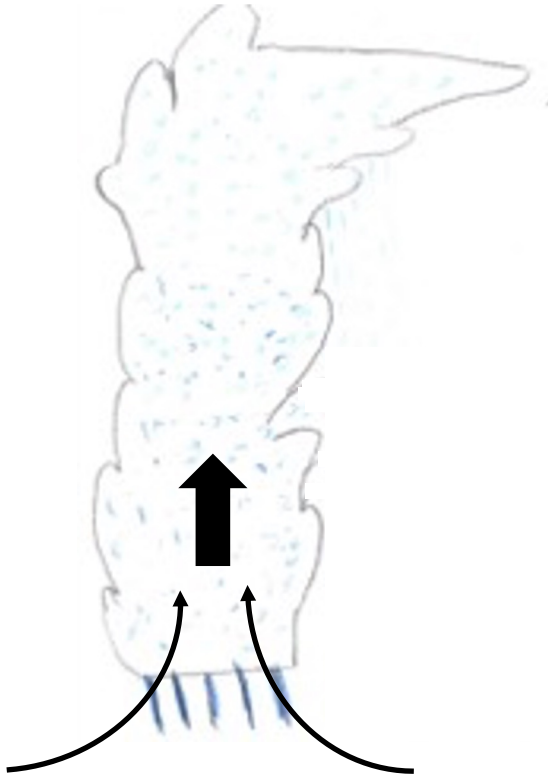


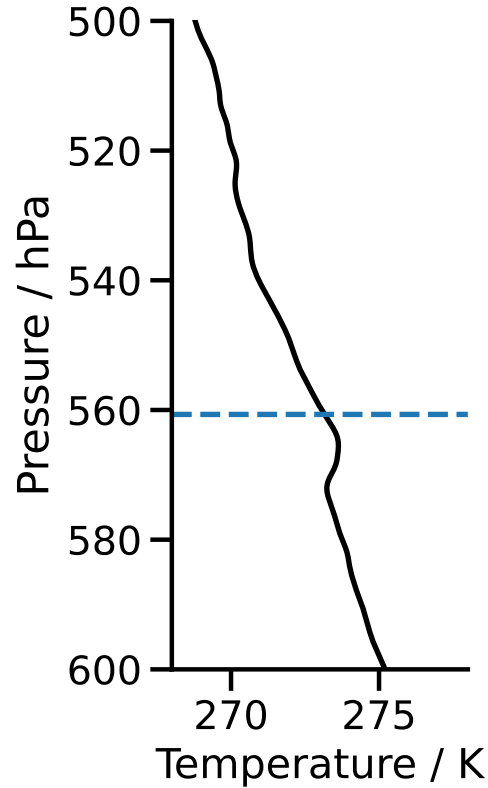
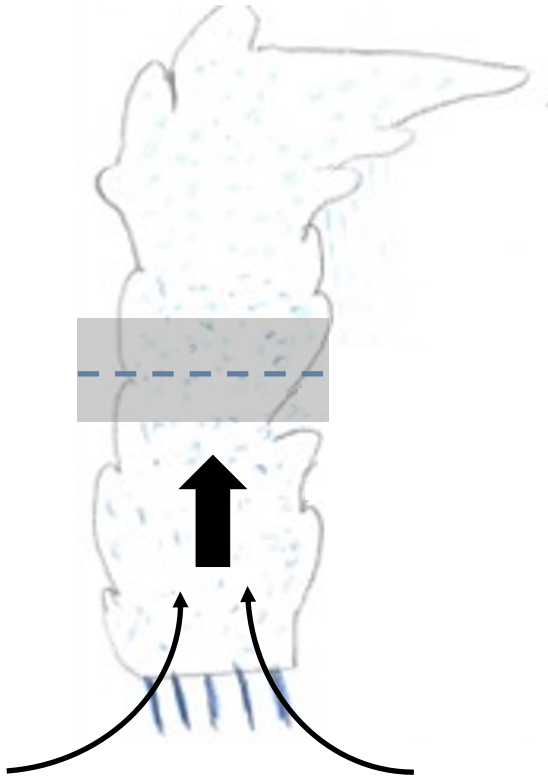
How adequately are Elevated Moist Layers represented in reanalysis and satellite observations?

Marc Prange, Stefan Buehler, Manfred Brath
EGU 2022

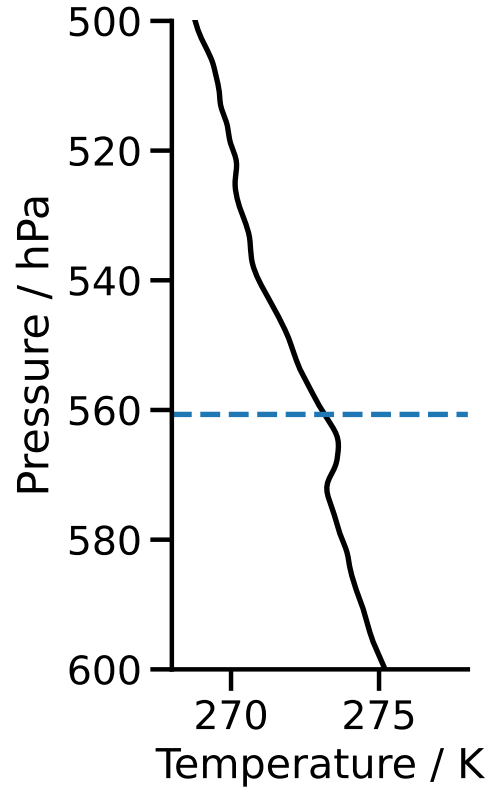
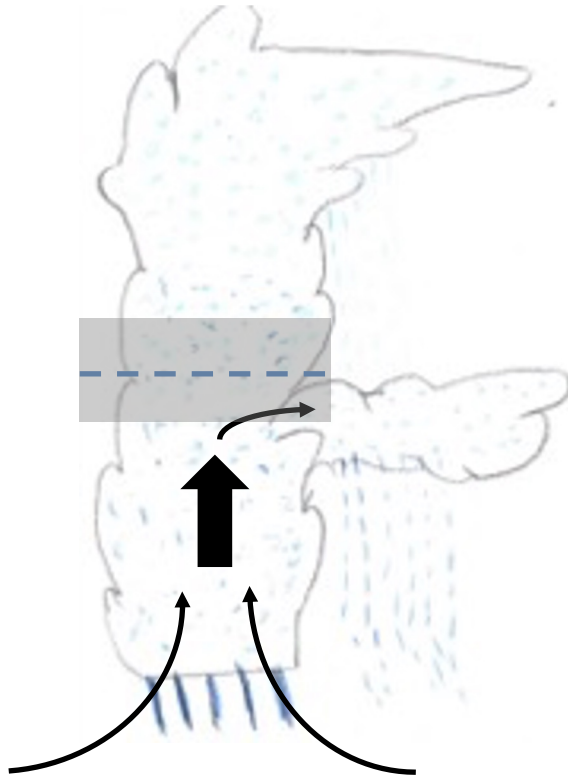
What is an Elevated Moist Layer?



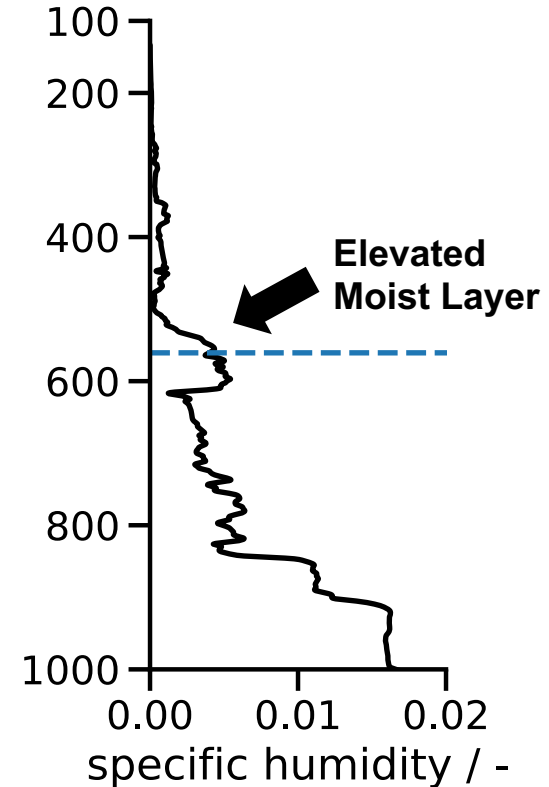
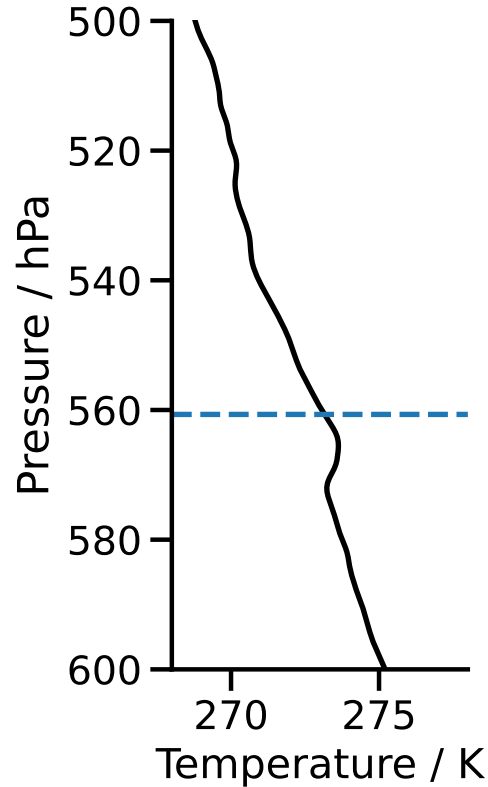
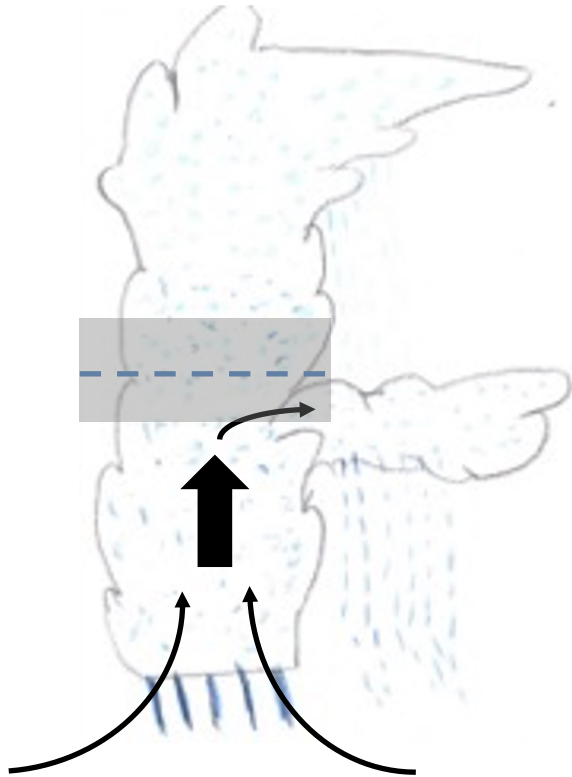
What is an Elevated Moist Layer?



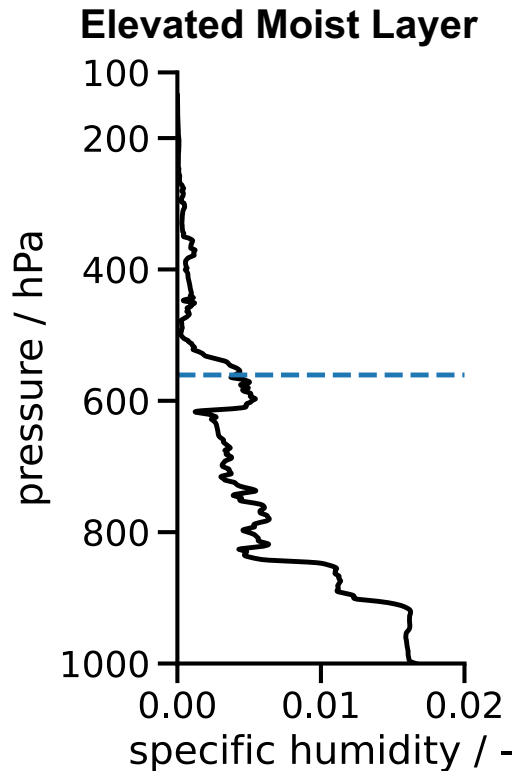
What is an Elevated Moist Layer?



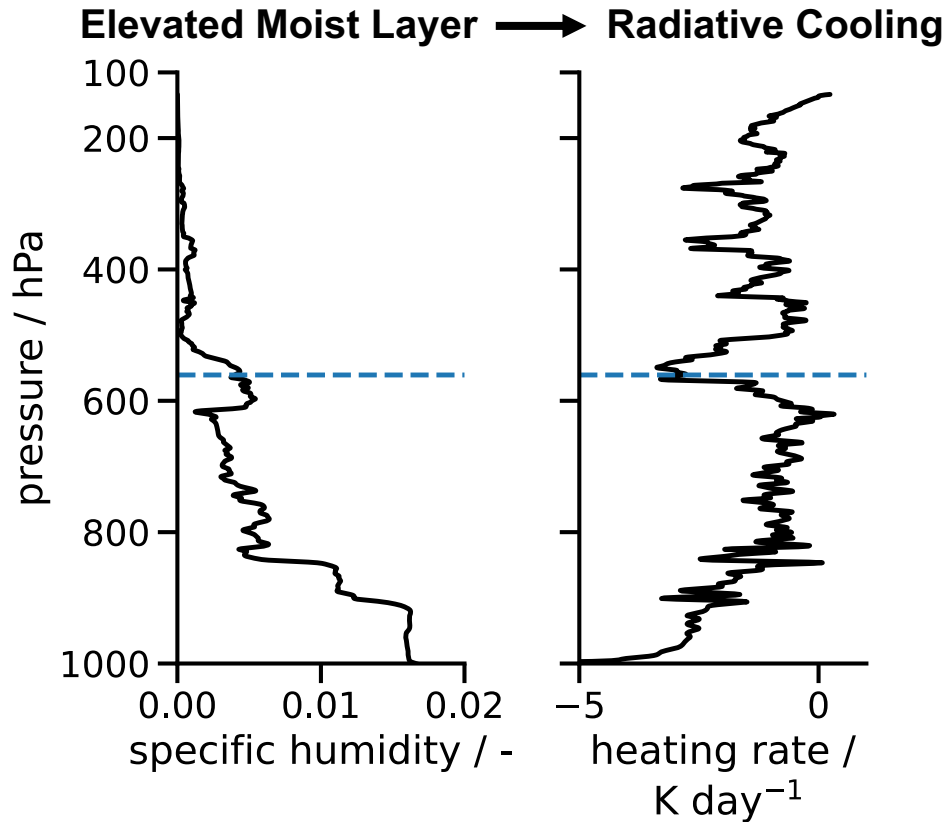
What is an Elevated Moist Layer?



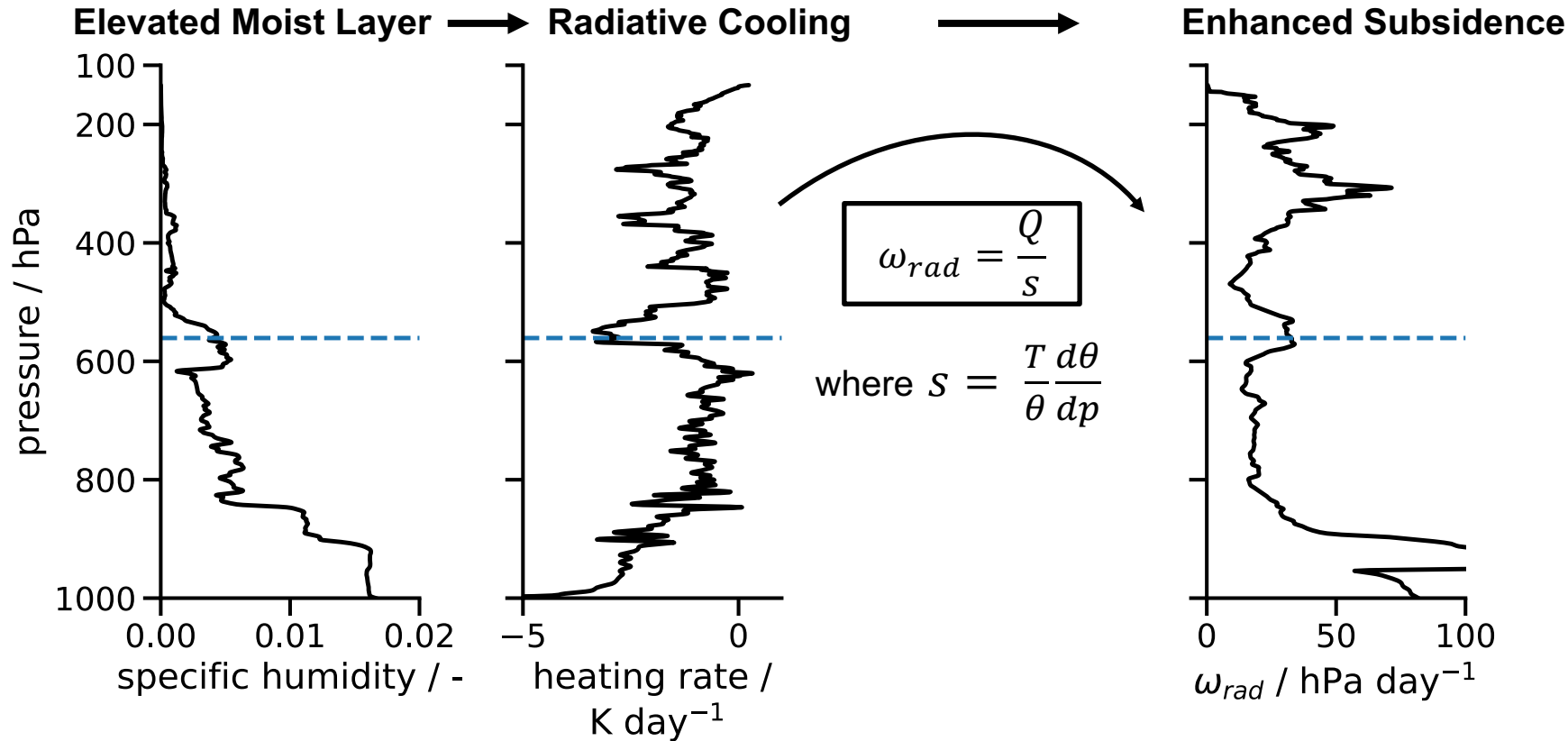
Radiative Link to Dynamics



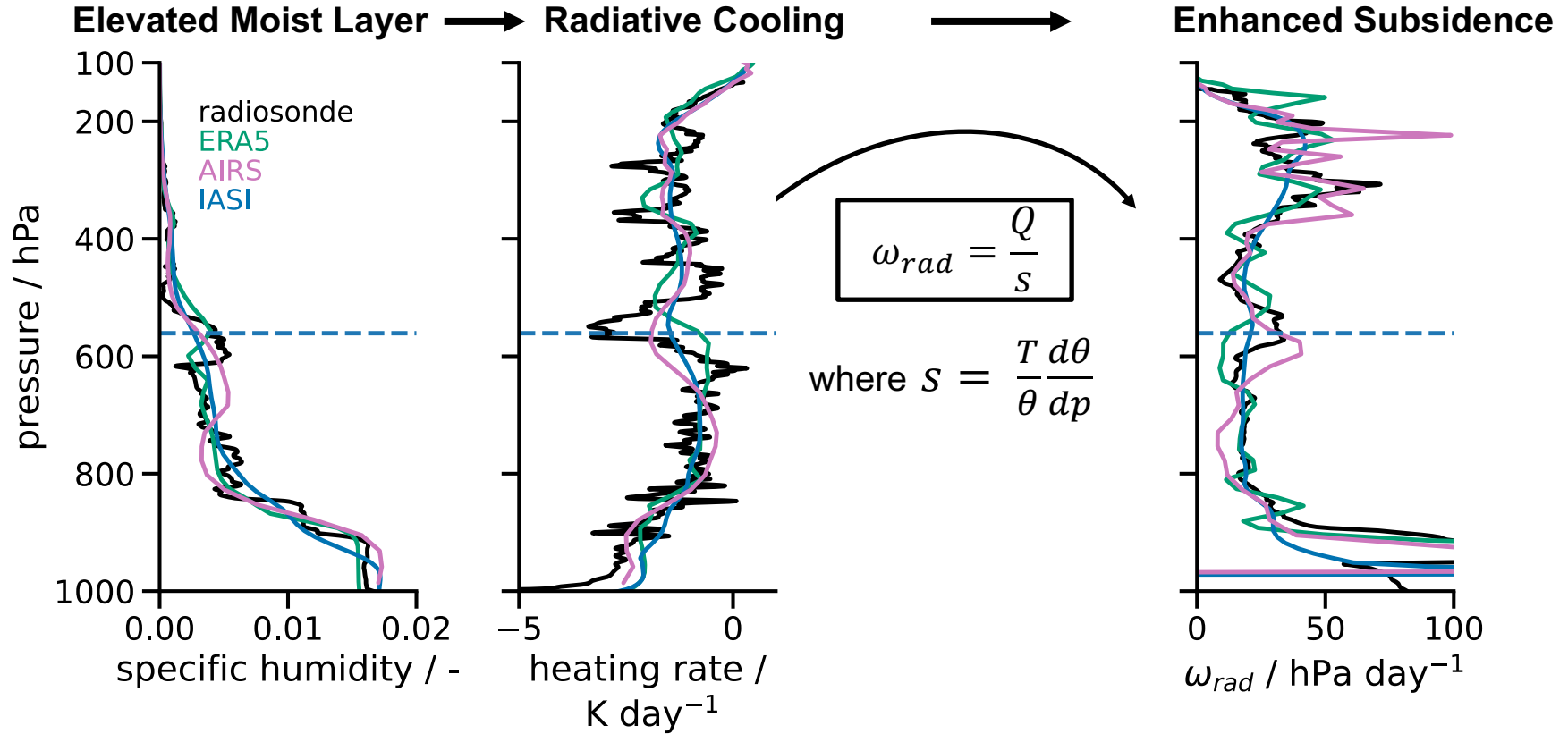
Radiative Link to Dynamics



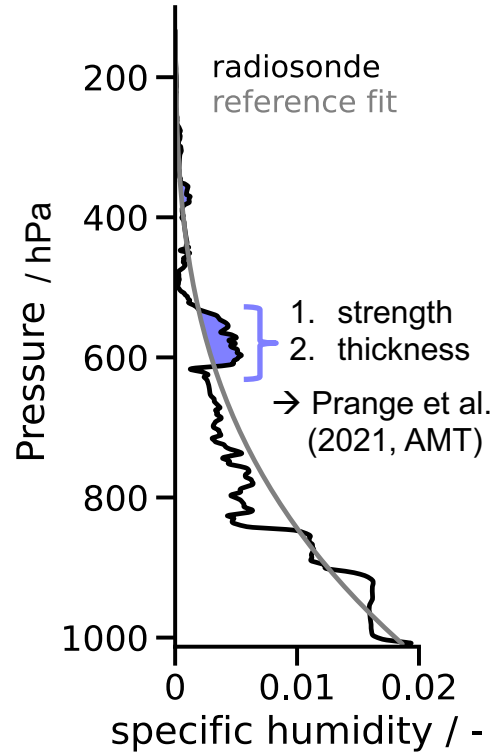
Radiative Link to Dynamics



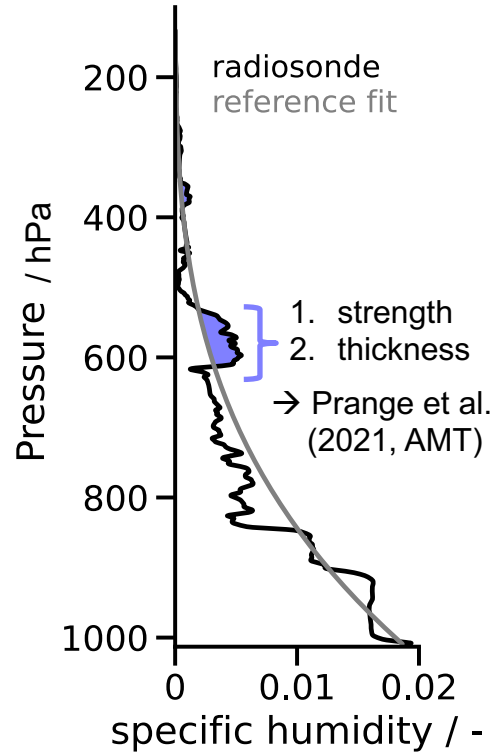
Reanalysis and satellite observations



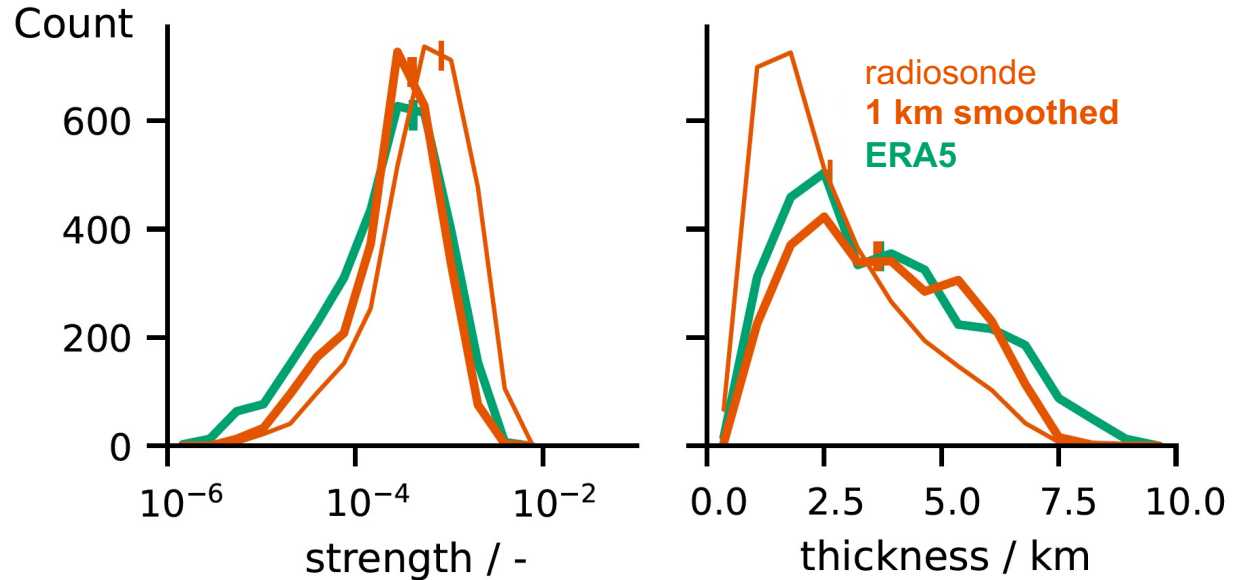
Quantifying Elevated Moist Layers



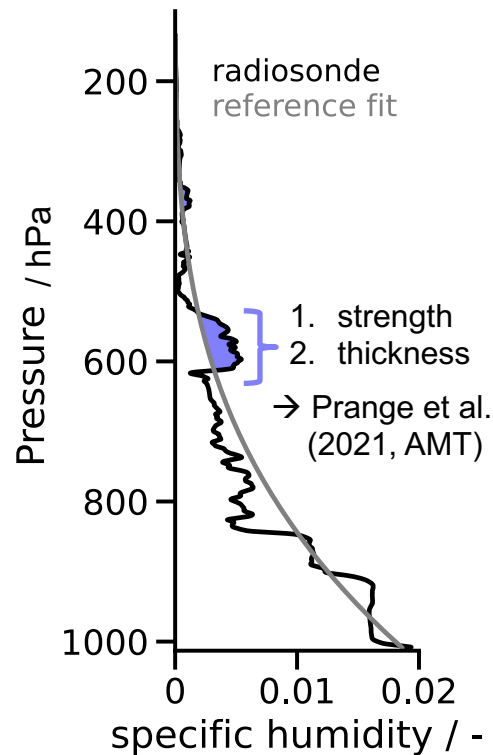
Quantifying Elevated Moist Layers



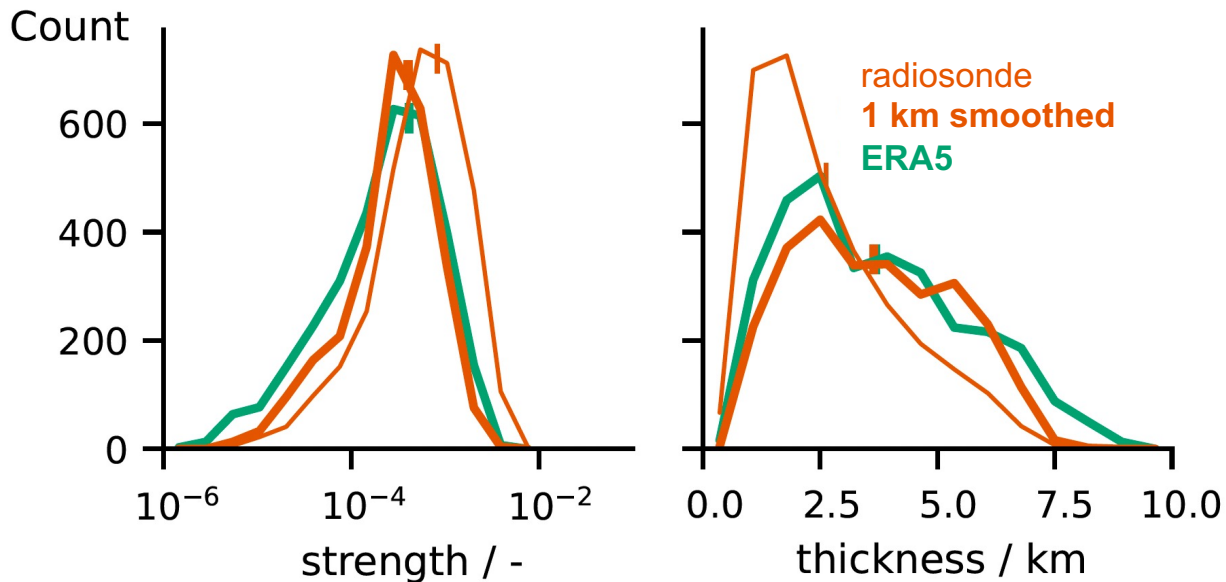
Statistical assessment of 4 years of collocated data



Quantifying Elevated Moist Layers

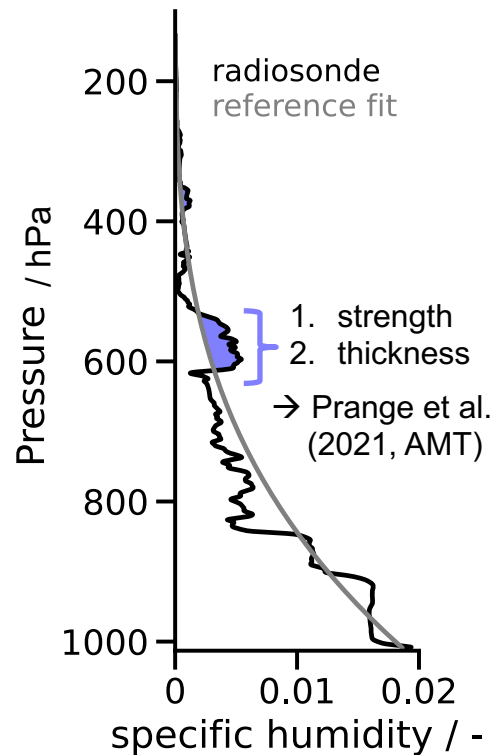


Statistical assessment of 4 years of collocated data

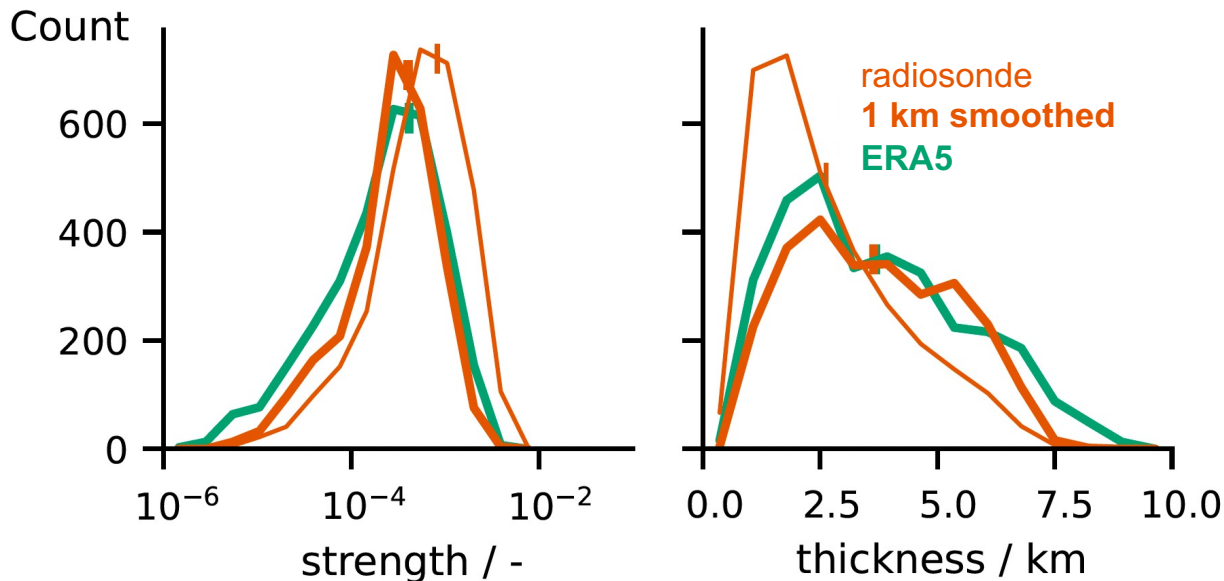


Next: mean ω_{rad} within moist layers

Quantifying Elevated Moist Layers



Statistical assessment of 4 years of collocated data



Next: mean ω_{rad} within moist layers