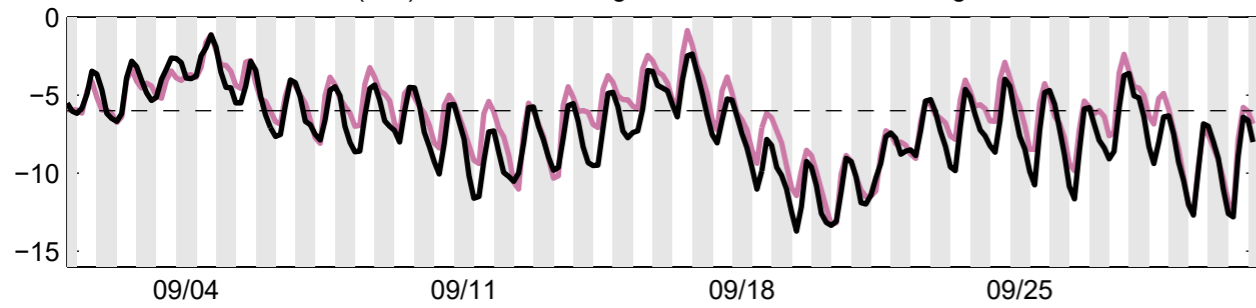
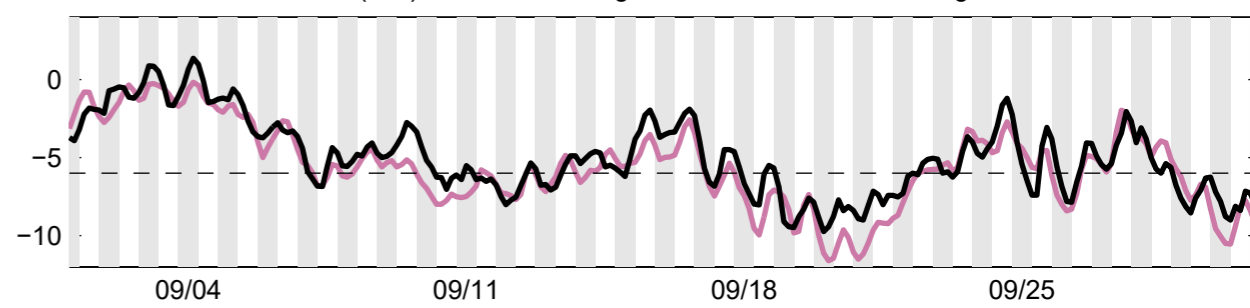


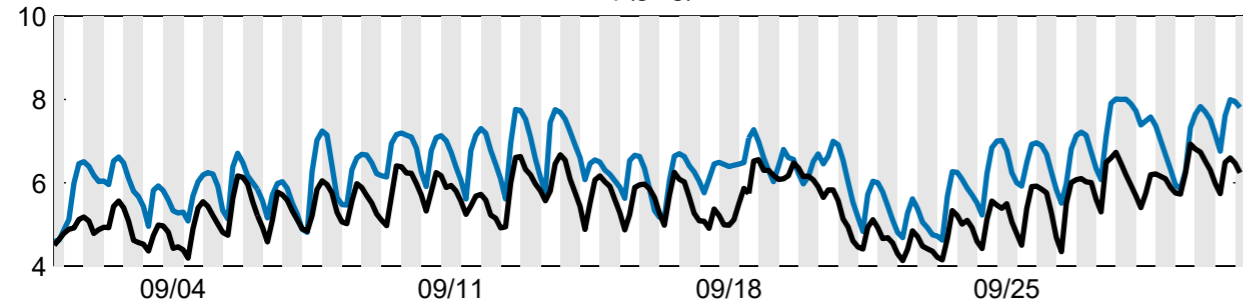
u-wind (m/s), 650 hPa, averaged over lat=-14 to -7.5, long=15 to 20



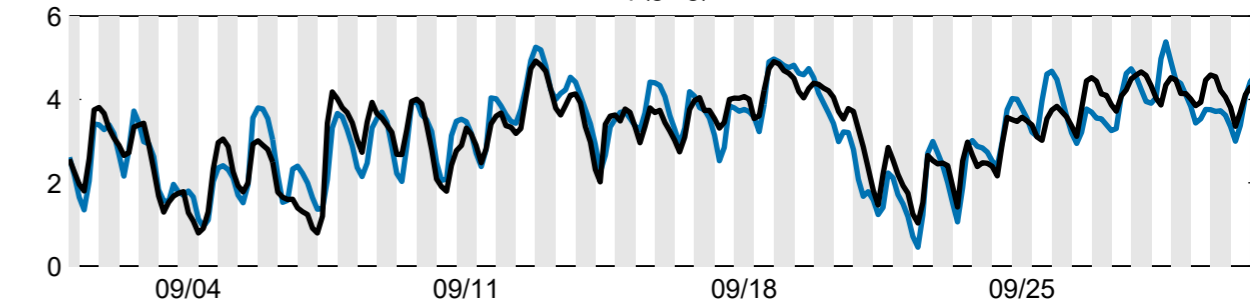
u-wind (m/s), 550 hPa, averaged over lat=-14 to -7.5, long=15 to 20



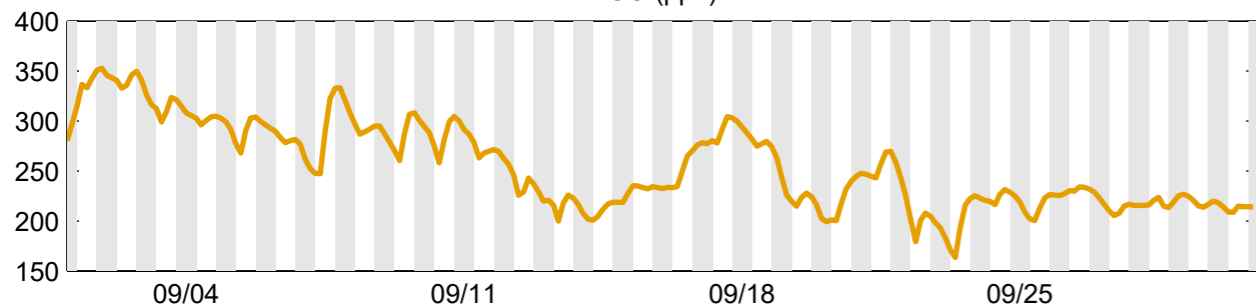
q (g/kg)



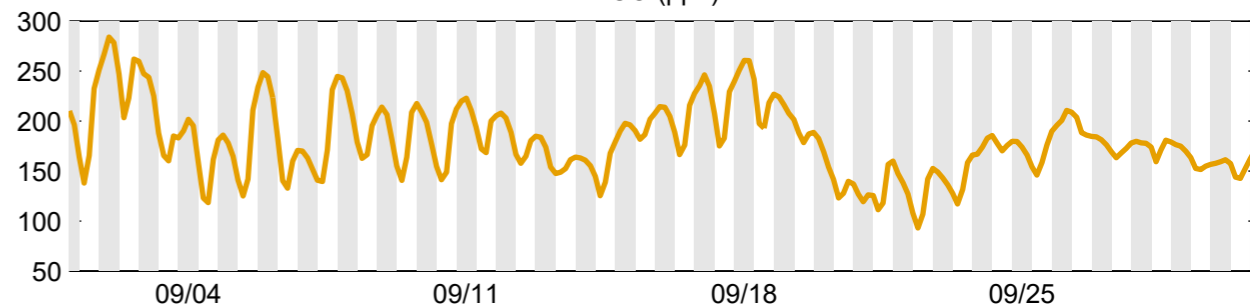
q (g/kg)



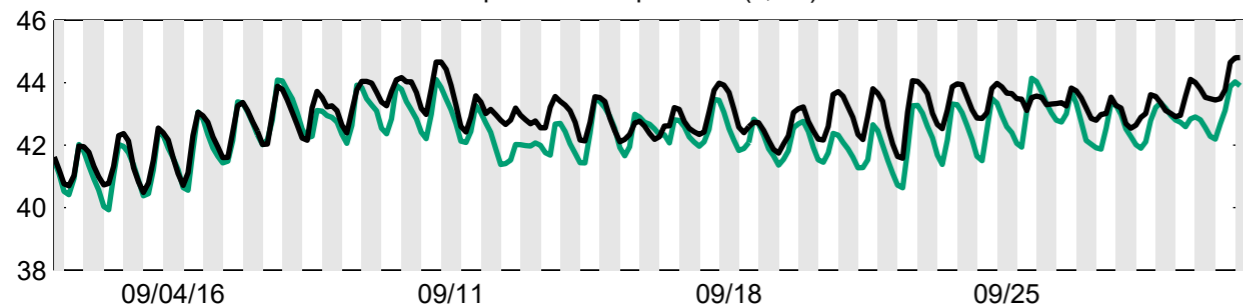
CO (ppb)



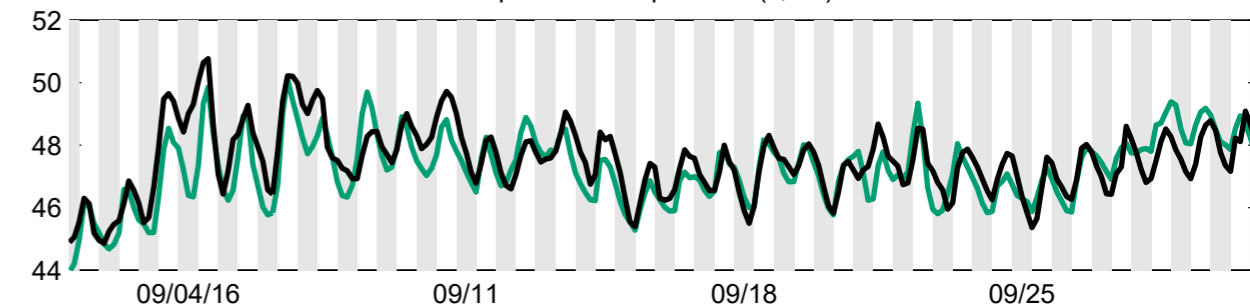
CO (ppb)



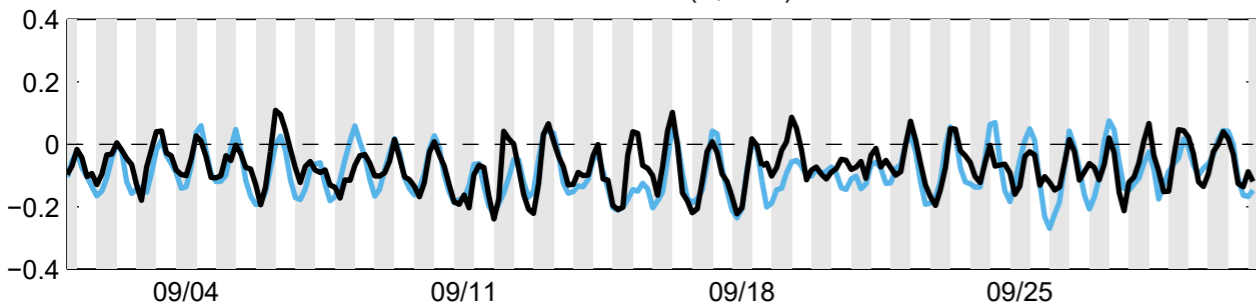
potential temperature (θ , °C)



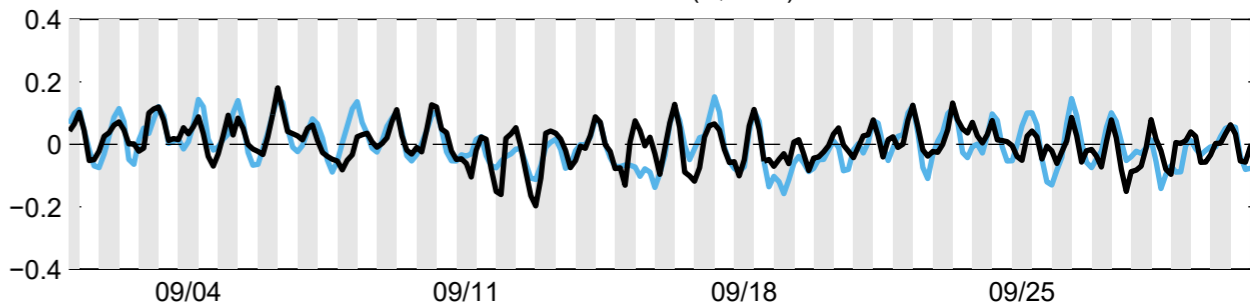
potential temperature (θ , °C)



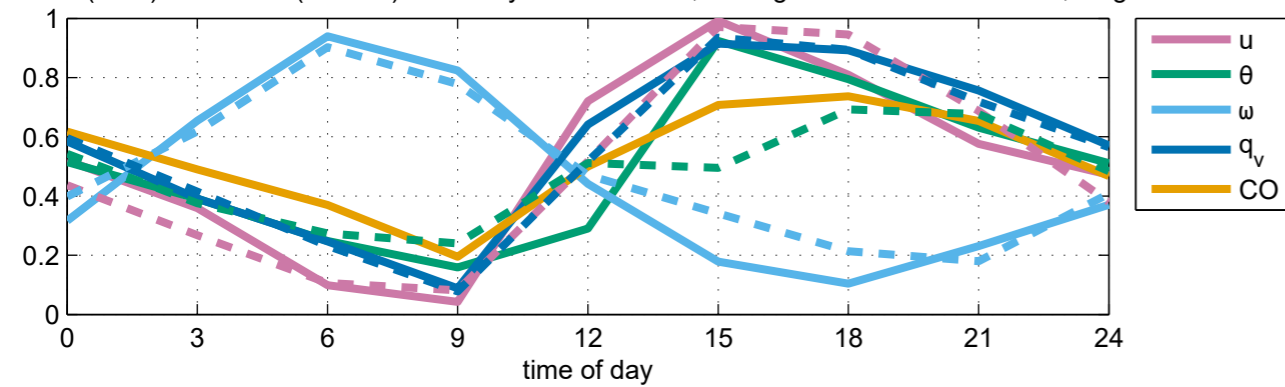
vertical wind (ω , Pa/s)



vertical wind (ω , Pa/s)



MERRA-2 (solid) and ERA5 (dashed) diurnal cycle at 650 hPa, averaged over lat=-14 to -7.5, long=15 to 20



MERRA-2 (solid) and ERA5 (dashed) diurnal cycle at 550 hPa, averaged over lat=-14 to -7.5, long=15 to 20

