Supplement

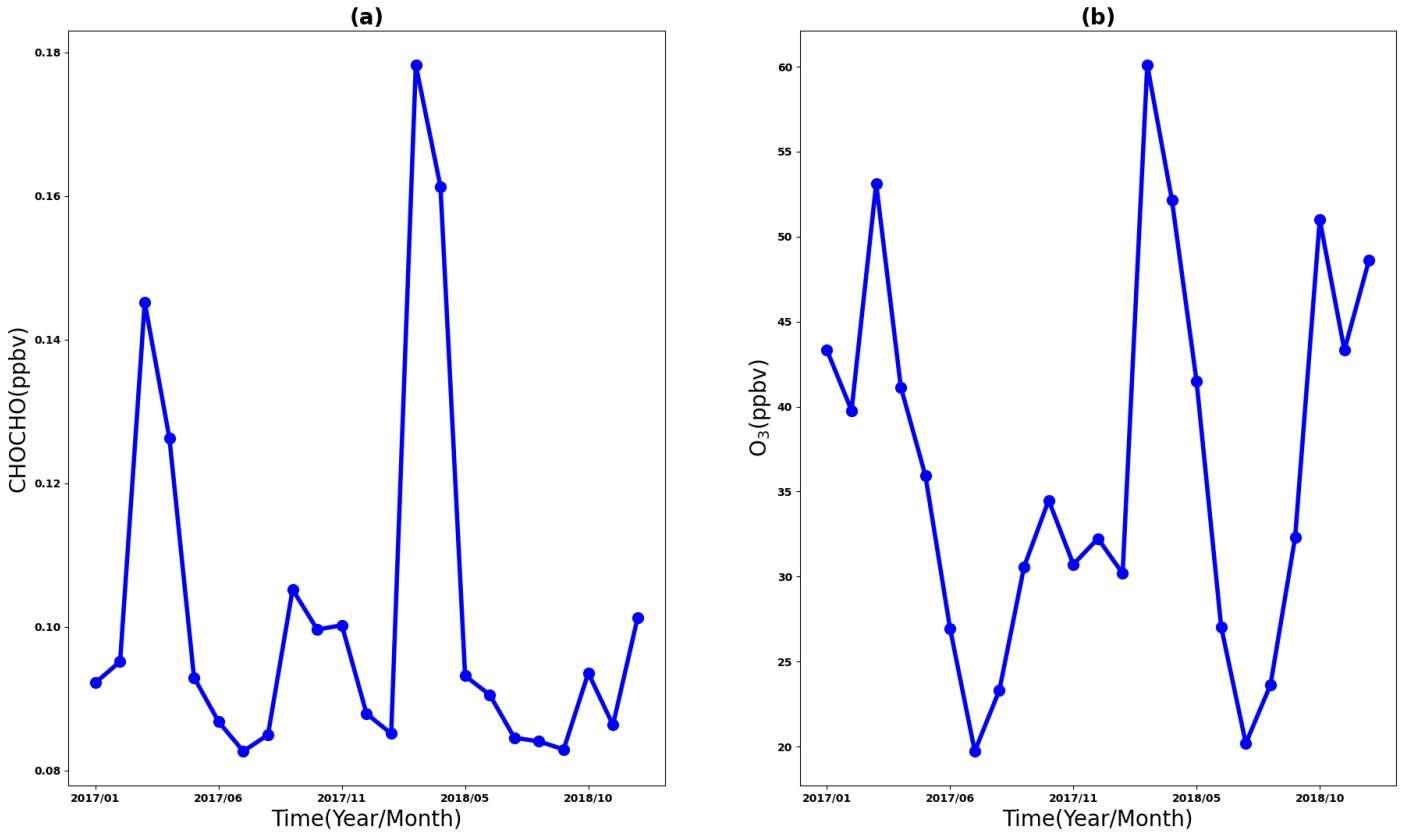

Figure S1: The seasonal variations in the glyoxal (CHOCHO) and ozone (O_3) concentrations in the 0-1 km layer in Phimai, retrieved using the JM2 algorithm.

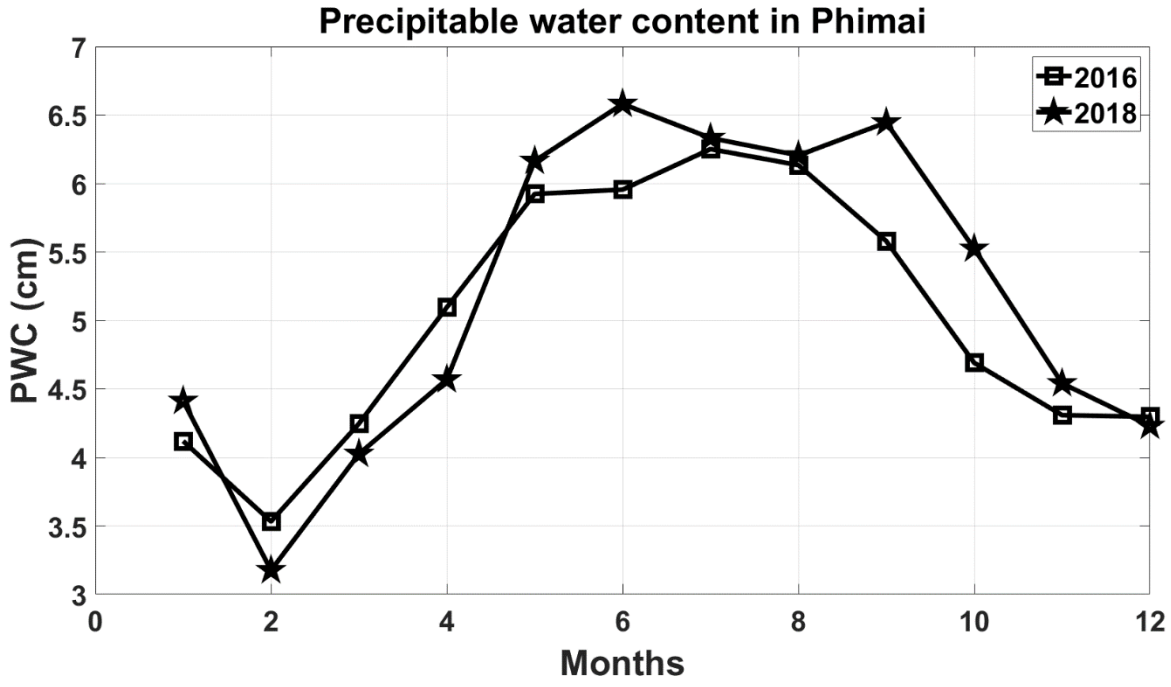

Figure S2: The seasonal variations in precipitable water content in Phimai in 2016 and 2018, retrieved from the microwave radiometer observations.