Physiqs with wakes and thermals
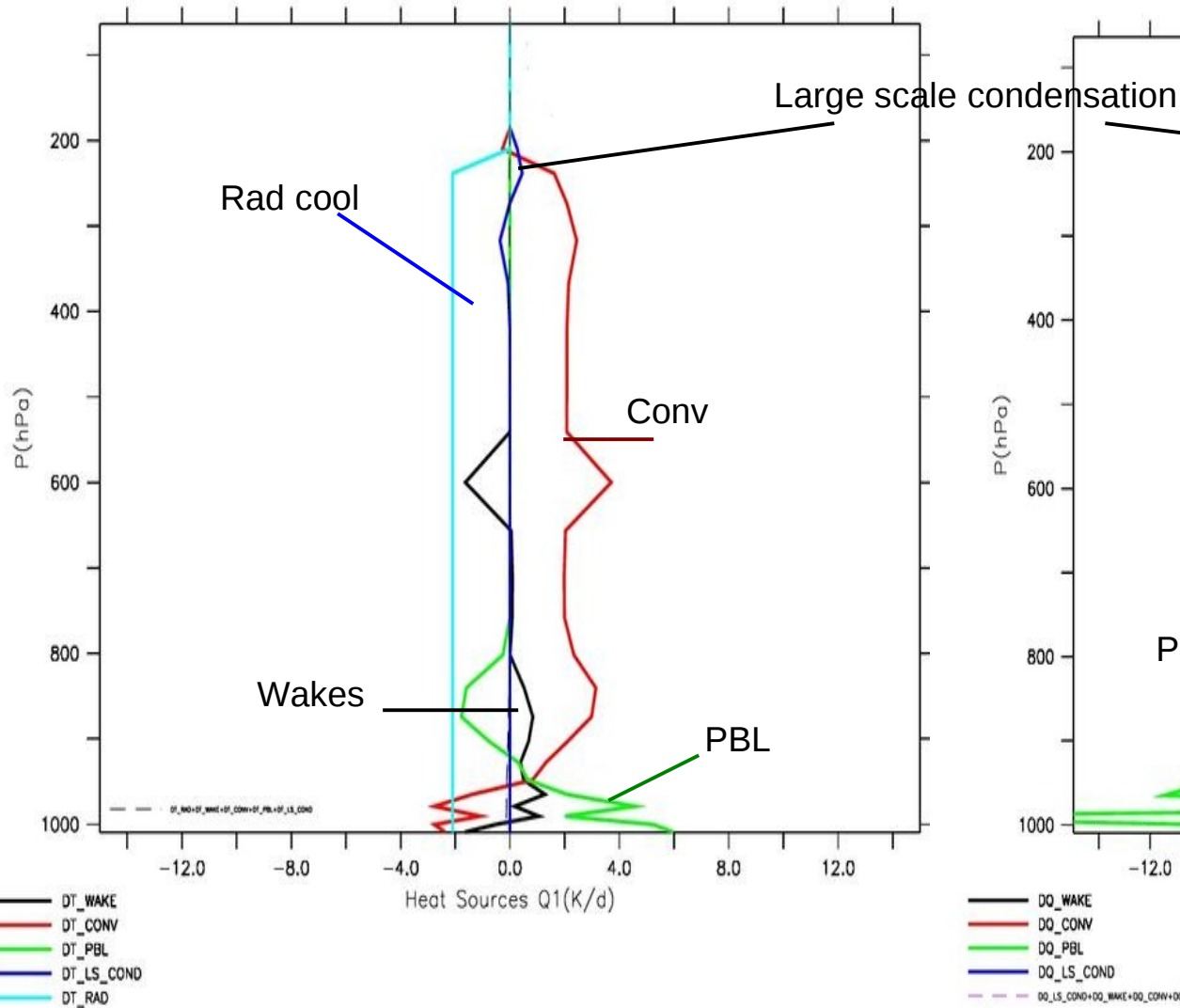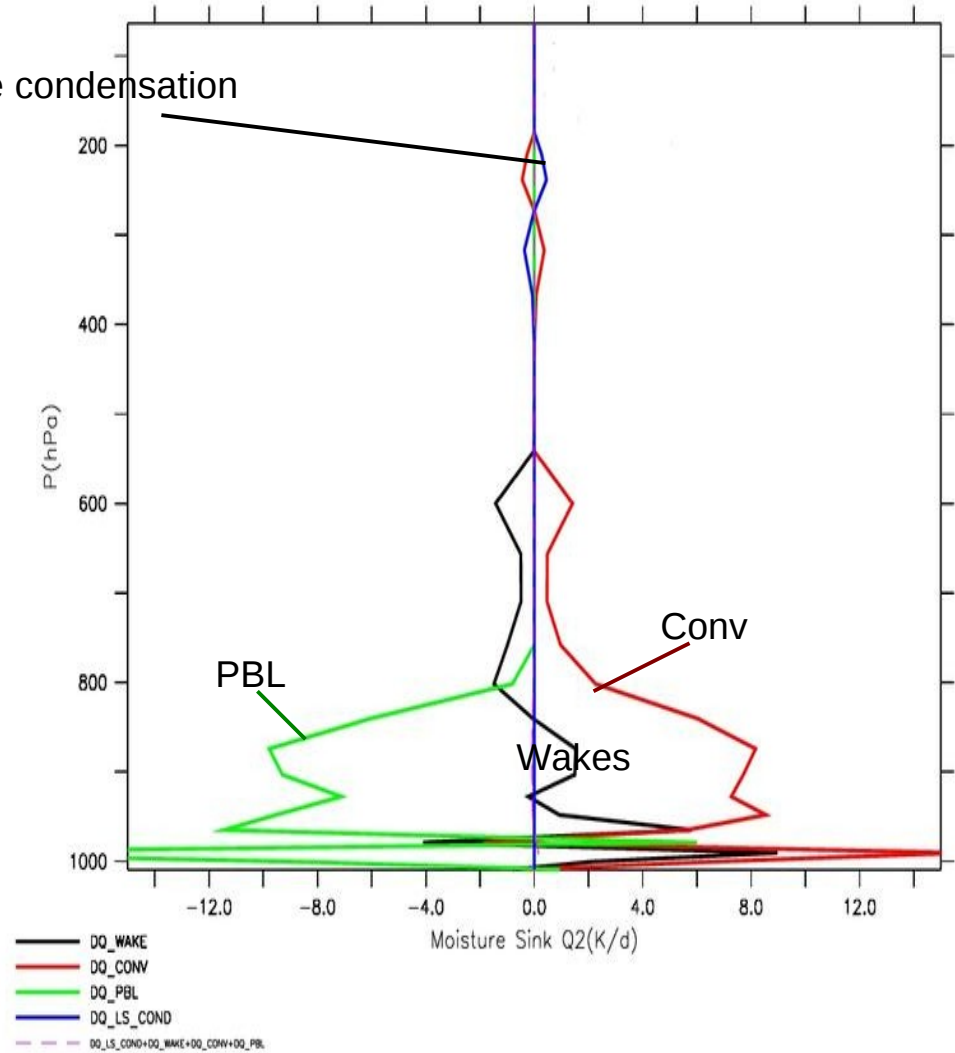
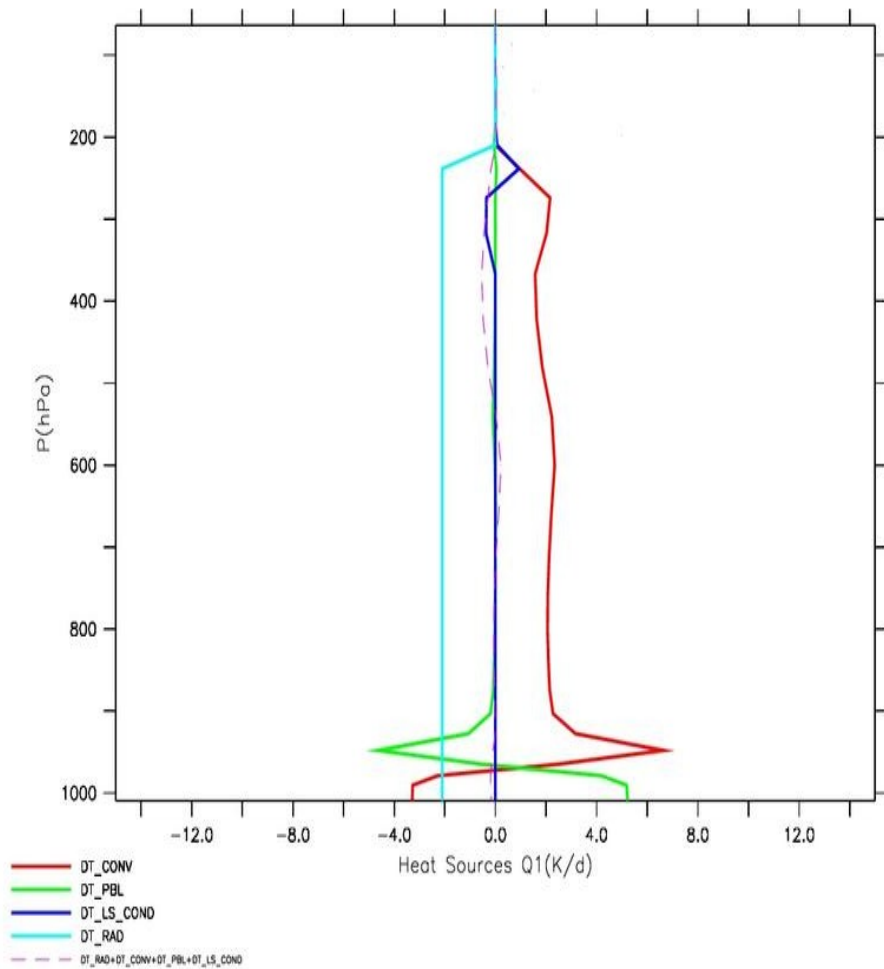# Physiqs without wakes; PBL=diffusion

Q1

Q2