



Figure S1. Profiles of δT_v for BSH and BSHDP conditions under different cases of mixing and entrainment schemes compared to the mean environmental T_v condition obtained from the radiosonde data for different percentiles of free tropospheric RH (850-400 hPa) associated with the convections during the transition seasons. Shaded area represents two sigma intervals for each profile. Values of corresponding FTRRH are shown in the table.