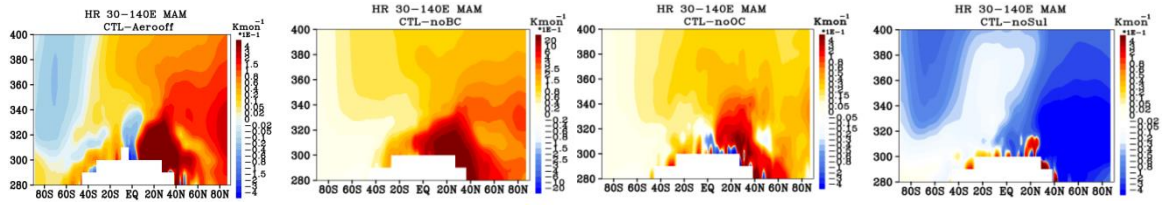
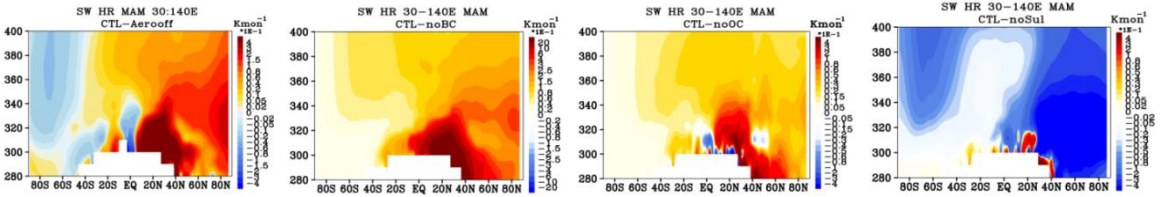


Total heating rates (LW+SW)



Short wave heating rates



Long wave heating rates

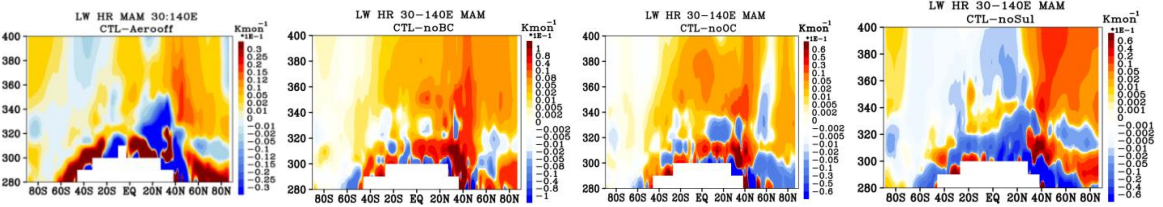


Figure: Zonal section (averaged 30° E – 140° E and for spring) of net heating rate (LW+SW), (Kmonth⁻¹) from simulations (a) CTL-Aerooff, (b) CTL-noBC, (c) CTL-noOC, (d) CTL-nosul, (e-h) same as (a-d) but for SW heating rates, (i-l) same as (a-d) but for LW heating rates.