Supplement:

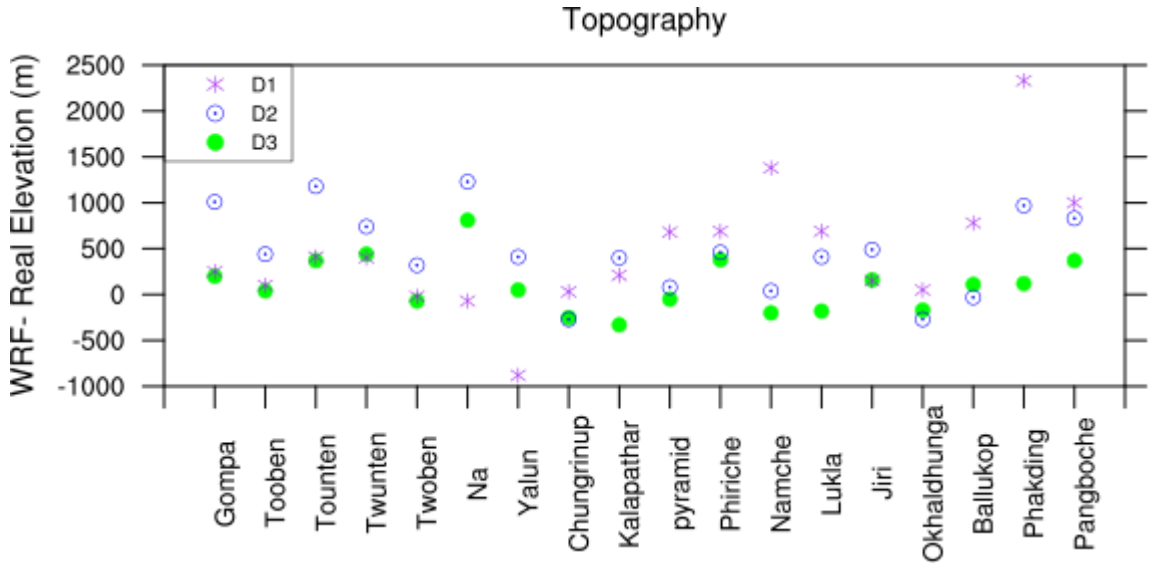

Figure S1: Difference between WRF simulated and real elevation for three WRF resolutions in air temperature station locations.

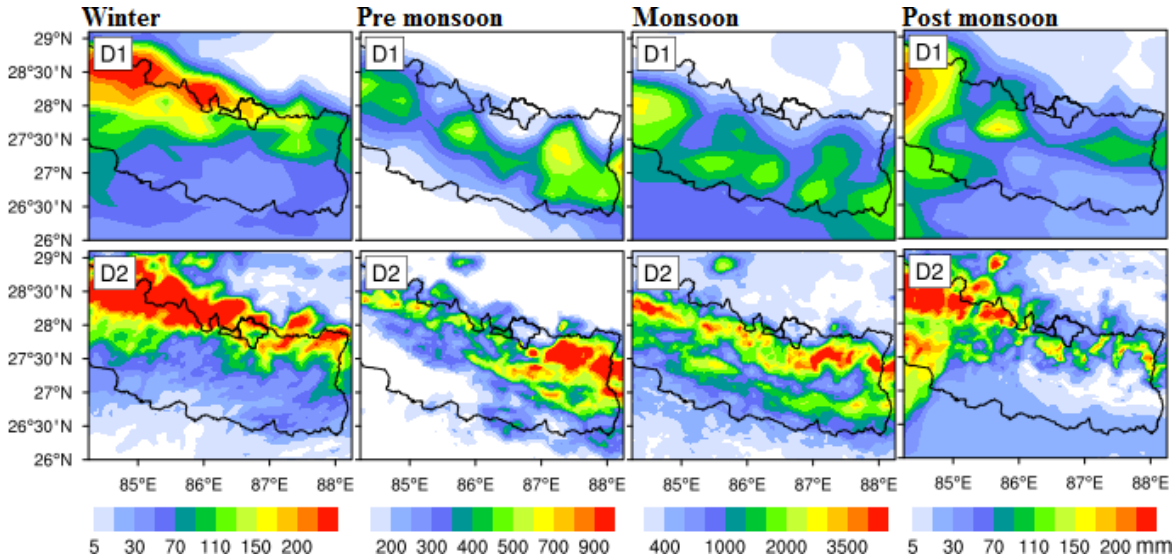

Figure S2: Seasonal distribution of precipitation in larger area in D2 and D1 domain resolutions.