



Figure 1: (a-d) Average aerosol extinction, relative humidity (RH), specific humidity (q_v) and potential temperature (θ) profiles for the smoke, non-smoke and pristine cases during JJA and SO using the values extracted from CALIPSO Aerosol Profile data product (MERRA-2). (e-f) Same variables, but extracted from the ECMWF-aux files from CloudSat, except for the aerosol extinction which comes from CALIPSO.