

Figure S1: Diurnal variation of O_4 dSCDs from (a) 7th January 2018 and (b) 20th April 2018. The diurnal variation of O_4 on 7th January 2018 shows two daily maxima (hence ‘U’ shape) whereas, on 20th April 2018 shows three daily maxima (hence ‘W’ shape).

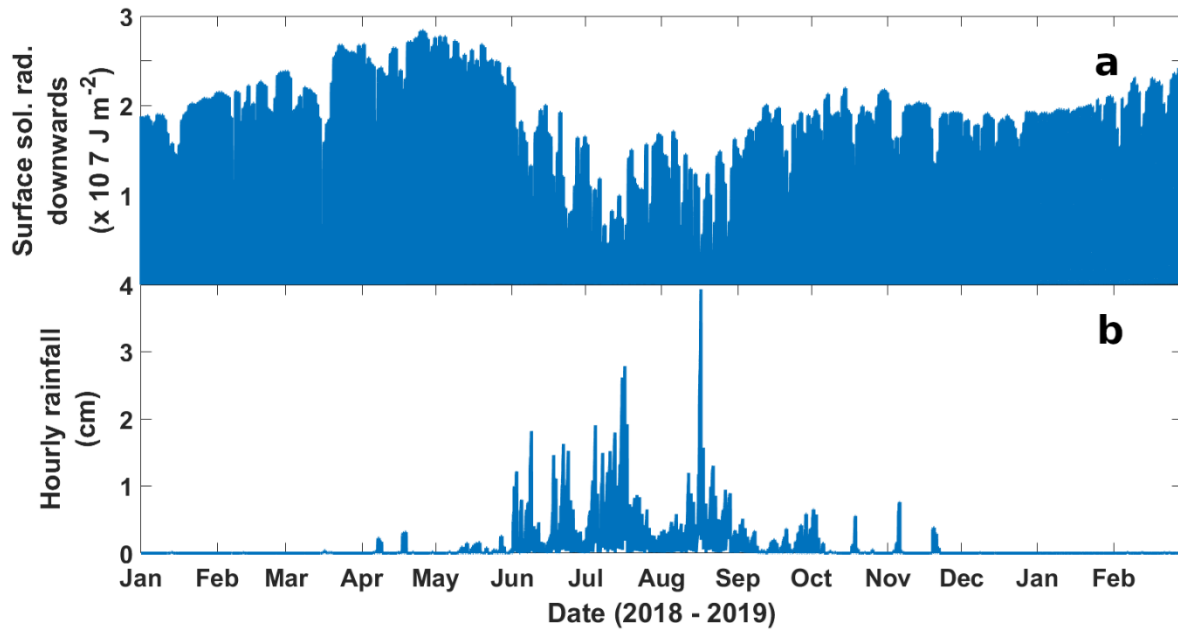


Figure S2: Time series of (a) surface solar radiation downwards and (b) total precipitation averaged over $0.3^\circ \times 0.3^\circ$ box around the Pune observation site. The data used here is ERA5 reanalysis product at $0.1^\circ \times 0.1^\circ$ resolution. We can see that solar radiation is lower and rainfall during JJAS compared to rest of the period.