

APPENDIX B: Different sources of deficiencies in the measured data

The data obtained has discrepancies in short duration in the form of missing values which is inevitable due to power failure or malfunctioning of instrument. Faulty readings such as positive values of solar irradiation after sunset which is not possible (also part of the data discrepancy) and can be attributed to light pollution from the city streetlights & reflected light from buildings about the same time. The instrument had been powered off due to maintenance purpose. All the above conditions may result in displaying "Power Off" values. However, these faulty data do not affect the present study since they are being filtered out. A sample of the filtered values used in the current work is given in Table B1.

Date	Temp. °C	SR W/m ²
01-01-2015 13:00	27.6	552
01-01-2015 14:00	27.8	433
01-01-2015 15:00	28.2	367
01-01-2015 16:00	27.6	147
02-01-2015 06:00	22.6	7
02-01-2015 07:00	22.8	58
02-01-2015 08:00	24.1	123
02-01-2015 09:00	24.9	247
02-01-2015 10:00	25.2	254
02-01-2015 11:00	26.0	339
02-01-2015 12:00	26.8	421

Table B1: Filtered Data