

**AN OBSERVATIONAL CASE STUDY OF WIND,
TEMPERATURE AND RAINFALL OVER SRI LANKA**

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This observational case study is carried out to explain some mesoscale features over Sri Lanka qualitatively. Two month (April and June) data in a particular year (1981) is used. The analysis shows some interesting features such as diurnal variations of surface winds and rainfall over Sri Lanka. The diurnal pattern of the surface temperature is all most same over all stations. There is only quantitative difference. The inland stations shows the larger temperature variance. The morning and the afternoon maxima of rainfall at selected stations can be seen. The time lag between the peaks of rainfall is probably due to the differential topographic distribution (Orography).

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