



Diurnal variation of Summer Precipitation over the Tibetan Plateau

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The diurnal cycle of rainfall over the Tibetan Plateau is investigated by examining data acquired by the Tropical Rainfall Measuring Mission (TRMM) Precipitation Radar (PR) over the June-August seasons of 1998-2007. High spatial resolution data (0.05 deg x 0.05 deg grid: 5 km x 5 km) are used to identify topographic features over the complex region of the plateau. Diurnal variation of rainfall amount, frequency of rainfall, rain conditioned rain rate and storm height are analyzed to know the characteristics of precipitation. Distinct diurnal variation is seen over hilly regions, valleys and 13 large and medium sized lakes.