

Mesometeorological Network Installation and Instrumentation
at ASRCT Sakaerat Experiment Station
(NAKHONRATCHASIMA).

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ABSTRACT

This report gives a general account of the scope and aims of the mesometeorological network at the Sakaerat Experiment Station. Descriptions of station locations and instrumentation are presented, including elevations and principal vegetation types. Brief statements concerning observations and data reduction are also included.

A secondary network, supplementing the micrometeorological data collection at Sakaerat Experiment Station consists of eight satellite, climatic stations. This station network, covering 12 km², was chosen to incorporate variations in soil, vegetation, and topography in the study area. The mesometeorological network is, therefore, being used to uncover horizontal variations in climatic factors in and around the dry-evergreen forest. Data will be checked to compare rainfall at the stations along the slope in the research area which align parallel with the prevailing monsoons. Data from these stations will be compared with stations to the north and south of the escarpment to get an understanding of the meteorology of the entire region.