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The ASEAN Compendium of Climatic Statistics Dataset

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This paper describes the ASEAN Compendium of Climatic Statistics dataset which is a tremendous effort of the ASEAN community to prepare an archive of daily and monthly dataset of surface observations namely maximum, minimum and mean temperature, relative humidity, precipitation, evaporation, sunshine, solar radiation, pressure, surface wind, cloudiness, soil temperature at various depths and upper air data from upper air stations in all the 10 ASEAN countries. The dataset contains records from more than 960 stations dating back as early as 1879 and the data record was up to the year 2001. The dataset would be more useful if converted to gridded datasets so that it can be easily applied for climate variability and change studies, hydrological application studies, validation of climate models and statistical downscaling. The ASEAN Compendium of Climatic Statistics dataset is also complemented by a set of maps of mean monthly and mean annual temperature, relative humidity and precipitation of the ASEAN countries which can be readily used by the agriculture community for planning crop production and for water resources development and management for irrigation, domestic and industrial usage.

Keywords: ASEAN, Compendium of Climatic Statistics