



## **Climatological Changes in Rain and Non-Rain Days over the East Asian Region Using Long Term Rain Gauge Observation Data**

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Recently, the global warming attracts big attention. One of the biggest concerns is the change of the global rain distribution and extremes. In order to identify the changes in rainfall characteristics, we investigated the annual change in the top five days at the maximum daily rainfall amount and those for the continuous non-rain periods using Asian Precipitation – Highly Resolved Observational Data Integration Towards Evaluation of the Water Resources (APHRODITE's Water Resources) which stores long term (1978-2002) gridded rain gauge observation data around East Asian regions provided by Dr. Yatagai, the Research Institute for Humanity and Nature. The maximum daily rainfall amount and non-rain days tend to increase although their inter-annual variation is large. The annual variations in the maximum daily rainfall amounts correspond to those in non-rain days in Thailand. We will also show the relationship between these results and atmospheric fields using reanalysis data.