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A study of relation between Enso index and the change of rainfall in Thailand

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The aim of this research is to study relation between Enso index and the change of rainfall in Thailand. The data used in this research was Oceanic Nino Index (ONI) from National Oceanic and Atmospheric Administration (NOAA), which is used to indicate ENSO event, and rainfall data from Meteorological department. The periods of rainfall data used one 1983 to 2012, in 4 regions (North, South, Central and Northeast) from five stations in each regions were chosen for analysis. Afterwards, the change in rainfall from 30th years rainfall average for each ONI case were studied, in 3 time series, JFM (January, February and March) MAM (March, April, and May) and OND (October, November, December). We exclude data from rainy season because the effect of ONI was overwhelmed by the effect of monsoon season. The result show that in Thailand. If ONI indicated El Nino event, rainfall will be lesser than average, and if ONI indicated La Nina event, rainfall will be more than average, in all three time series. And southern region has largest rainfall anomaly compare to other region.

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