



Quaternary environment change in Taiwan: the typhoon events observation by weather data in mountainous region

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Typhoons events are classic extreme events, and due to the location, Taiwan has high probability been hit by typhoons. About the occurrence and intensity of typhoons, they are related with quaternary environment change. To know the change about typhoons and how it relating to environment change, that is an important topic in Taiwan. In addition, there is another index of environment change: temperature. Temperature is very sensitive, if there has environment changes, it's very easy to see the temperature becomes hot or cold. Especially in mountainous region, without human interference, the data is more easily to show environment changes.

This study uses the weather data from weather station at mountain Ali, because the environment in mountain is more sensitive than in urban. We will collect all historical typhoon rainfall data from 1960, and ranking the data with 3 years, 5 years, 10 years, 20 years, to find the trend of typhoons from short to long period. Second, we will do the same things about temperature data, finding its own trend. Third, comparing the trends of rainfall and temperature data, then see if they have relation or not.