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Hydrology and Earth System Sciences Discussions

Interactive comment on "Hydroclimate variability and its statistical links to the large-scale climate indices for the Upper Chao Phraya River Basin, Thailand" *by* N. Singhrattna et al.

Anonymous Referee #2

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This paper presents a simple correlation study between rainfall, temperature and explaining variables such as sea surface temperature anomalies. The data used for the study seems to be of good quality. The relationship between the possible variables is judged using the correlation coefficients. The great number of considered cases makes it very likely to obtain a large number of significant correlation - even by chance. Further even a significant correlation does not imply a cause consequence relationship. Thus this kind of blind data analysis does not support the consequences of the paper. The grouping of the stations according to precipitation amount is not reasonable. Either a classification based on rainfall generating mechanisms or a geographical partition

of the observation locations could have lead to more insight to the problem studied. In summary the paper presents a simple and brute force analysis of data leading to conclusions which are not really supported by the observations.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 6659, 2009.