Pc5 index for monitoring of the solar wind velocity: Improvement of localtime and seasonal dependence

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By using MAGDAS realtime magnetic data, we are providing the Pc 5 index and the estimation of the solar wind velocity on the SERC web page. In order to improve this index, we statistically analyzed the localtime and seasonal dependence of the Pc5 amplitude observed at the low latitude station at MSR. The correction coefficient was obtained by this analysis. The relationship of the Pc5 index and the solar wind velocity was improved by using this correction method.