



## Statistical analysis of GPS ionospheric scintillations measured in Vietnam in 2006

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Amplitude and phase scintillations have been measured at equatorial latitudes in Vietnam since 2005, using the signal transmitted by the GPS satellites. Our paper presents statistical results obtained over a one year low solar activity period in 2006. Two GSV4004 stations have been installed, one in Hue (16,46°N, 107,59°E) and the second one in Hoc Mon (10,83°N, 106,55°E). Processed data were recorded continuously with a 1 minute time resolution. S4 index and phase standard deviation (sigma phi) are the parameters used to characterize the scintillations. Statistics show a maximum occurrence during spring and autumn in the local time sector 18-24 LT, in agreement with observations performed at equatorial latitudes in other parts of the world. There are some similarities between s4 and sigma phi variations. When considering the effect of azimuth and elevation angles it is shown that peaks in occurrence appear at azimuths near 180° and 360° and mainly for elevation angle smaller than 50°.