

# A Statistical Study on Ionospheric Scintillation Occurrence in China Low Latitude with Multi-Parameters

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## **Abstract**

The morphological characteristics of ionospheric scintillation were studied based on the scintillation parameters obtained from the observations of GNSS scintillation monitor, traditional GNSS receiver and ionosonde in China low latitude. These parameters include S4,  $\sigma\phi$ , ROTI, Spread-F and the Loss of Lock occurrence. The morphological characteristics of these parameters and their relationship will be provided.

**Keywords:** Ionospheric Scintillation; S4;  $\sigma\phi$ ; ROTI; Spread-F; Loss of lock; Ionosonde