

Preliminary Results of Ionospheric Studies Using Ionospheric and Magnetic Observations from Bac Lieu Observatory in the Frame of SEALION Program

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From November 2005, an ionosonde station has been installed at Bac Lieu observatory by NICT (National Institute of Information and Communication Technology, Japan) and VAST (Vietnamese Academy of Science and Technology, Vietnam) in the frame of SEALION (Southeast Asia Low-latitude Ionospheric Network) Programme for the ionosphere and upper atmosphere research, observations and monitoring. This is for studying the onset conditions of equatorial plasma bubbles, which cause ionospheric scintillations, the large day-to-day variability of equatorial anomaly, the zonally propagating ionospheric traveling disturbances, the equatorial electro jet (EEJ).

In this report, we will present the preliminary results obtained from these studies using the ionospheric and magnetic observations from Bac Lieu observatory, as well as from other observatories: Cha Pa, Phu Thuy, and Da Lat...