

Yearly Spread-F Observation in Cebu, Philippines

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To investigate the plasma structure and dynamics in the equatorial ionosphere, ionosonde observation has been continuously held in Cebu, Philippines (10.35N, 123.91E, Dip=2.6) since March 2000. Using an FMCW radar ionograms were obtained every 5 minutes. ESF appears almost every day in spring and fall equinox. ESF appeared at the ceiling of F-layer rise in many cases. However, it sometimes developed from the bottom of F layer while going upward due to east-west electric field.