Comparison of the Different Types of Sporadic E-Layers (ES) Over Brazilian Sector During the Solar Minimum (2006 AND 2007).

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Sporadic layers are ionization enhancements in the E-region at altitudes between 90 and 130 km. These Es layers are classified as they appear in ionograms in several types, but also based on the different mechanisms of formation and locations of observation. In equatorial regions ionosondes detect a diffuse and non-blanketing Es trace (Esqlayer) commonly observed on daytime ionograms as a scattering of the radio signal that covers most of the frequency scale of the ionograms. The Esqlayers are associated to the Equatorial Electrojet (EEJ) plasma instabilities. In low latitudes regions it is observed other Es layer types as "l", "f", "c", and "h"that are due to the wind shear mechanism. In the present work we show an analysis of the different types of Es layers for an an analysis of the different types of Es layers for an analysis of the d