

Imaging Coherent Backscatter Radar Observations in Brazil

Show affiliations

Rodrigues, F. S.; Hysell, D. L.; de Paula, E. R.

An upgrade of the coherent backscatter radar in Sao Luis, Brazil makes possible the construction of interferometric radar images of equatorial ionospheric scattering structures. We will be presenting in-beam radar images of equatorial Spread-F scattering layers. Among other results, we will be presenting interesting observations of periodically structured bottom-type layers preceding full-blown Spread-F. Details about these layers, their possible origin and relationship with bottomside/topside Spread-F will be discussed during this talk.

Publication:

American Geophysical Union, Fall Meeting 2007, abstract id.SA22A-07

Pub Date:

December 2007

Bibcode:

2007AGUFMSA22A..07R

Keywords:

2415 Equatorial ionosphere; 2439 Ionospheric irregularities;
2494 Instruments and techniques;
2772 Plasma waves and instabilities (2471)

 [Feedback/Corrections? \(/feedback/correctabstract?bibcode=2007AGUFMSA22A..07R\)](/feedback/correctabstract?bibcode=2007AGUFMSA22A..07R)