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Imaging Coherent Backscatter Radar Observations in Brazil

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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.

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