High-resolution VHF radar studies of equatorial 150 km irregularities at Jicamarca

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High resolution Jicamarca power maps of the equatorial 150 km irregularities recorded during MST-ISR campaign observations will be presented and discussed. The power map data base from MST-ISR campaigns covers all the seasons and a mix of geomagnetically quiet and active periods over a total span of three years. Spatial and temporal scales observed in the power map data will be examined and contrasted with variations of the ambient parameters (plasma and the neutrals) in the region in an effort to understand the generation mechanism of meter scale 150 km irregularities.