

APPLICATION OF MODERN RADARS FOR PRECIPITATION STUDIES IN INDIA

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The aim of this presentation is to highlight the capability of radars in precipitation related studies. Some aspects of rain and cloud in relation to radio wave propagation have been investigated by using sophisticated radars recently in India. Results on rain and cloud parameters are very important for estimation performance of microwave communication and radar propagation in relation to attenuation of radio wave due to rain and cloud as well as extra noise generated by the cloud in the atmosphere when the frequency of operation of radio wave is above 10 GHz.
