Kodaikanal Obs Bull (1988) 9, 227

OBSERVATIONS OF THE BRIGHTNESS TEMPERATURE DISTRIBUTION OF THE QUIET SOLAR CORONA AT DECAMETRIC WAVELENGTHS

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The brightness temperature distribution of the quiet solar corona at a wavelength of 8 9 Meters is measured with two types of radio telescopes (1) A "T' type array with a resolution of 26' x 38' and (2) A fan beam interferometer with an E W resolution of 3 It is found that the persistent bright region do not have any angular structure on scales of 6 or less The daily variations of the brightness temperature of different region are studied and the possible interpretation is discussed