

Comparison of Solar Radio Burst Detection At Different Latitude

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Recently, there has been an increasing interest in solar radio burst study. In most recent studies, solar radio burst has been measured using CALLISTO spectrometer by researchers world widely. A search of the literature reveals few studies which found that solar radio burst is influenced by different latitude. The purpose of this paper to obtain the relationship between solar radio burst and latitude at Greenland (71.7069 oN,42.6043 oW), Malaysia (4.2105 oN,101.9758 oE), and Melbourne (37.8136 oS,144.9631 oE) in July 2015. A comparison of the three stations reveals Greenland has the highest number of spectrum detected compared to Malaysia and Melbourne. The spectrum value is 5,2, and 1 respectively. Overall, these results indicate that the station located at higher latitude are more affected by solar radio activities. Taken together, these findings suggest that higher latitude country should tackle this issues to avoid high drift solar radio emission.