

Characteristics of Sudden Decrease of Cosmic Noise Absorption with Imaging Riometer

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The phenomenon which fall lower than 0dB as a level of QDC is often observed with imaging riometer of the Alaska Poker FlatIt. The such events appeared with 58 days for 45 months in June, 1995 to Oct., 1999. SDC statistically shows as following; 1) The event is not completely observed in the winter, and the summer is most frequently. 2) No sign of phenomena especially is found. 3) The duration is short. The frequency is the highest degree of the 1 day for the duration, and the longest duration is 6 days. We thought that it is Sudden Decrease of Cosmic Noise Absorption (SDC). In this study, the features of SDC are clarified, and a mechanism of the phenomena is investigated.

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