

The causes of the noise in meteor radio observations from annual data and countermeasures against them

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We have been making the meteor radio observations for two years. Last year, we reported the causes of the noise in the observations, which was titled "The influence of urban environment on radio meteor observing". We examined more deeply the causes of the noise, the effects on our observations and the measures against the noise following the advice given for the last two years and our stores of observation data. As a result, we could grasp the time when the noise tends to happen and the frequency of noise in each season from annual data. Besides, we speculated that the noise were made by a sporadic E layer or a power supply device. Also, we recognized that the audio capture device makes the noise decrease.

This time, we are going to report the causes of the noise and the measures against the noise, which were revealed from our data.

Keywords: meteor, radio observations, measures against the noise