

Observation of electric solar waves using self-made radio telescope

*Yosuke Suzuki¹, Haruka Saito¹

1. Fukushima Prefectural Iwaki Senior High School

We made radio telescope by ourselves and observed the electric waves from the sun. Through the study we found that solar waves were changing with passage of time. Especially, we inspected the correlation of 3 points the water vapor content, the atmosphere pressure and the weather. We found that the value of solar waves become high when the water vapor content increase, and the value of solar waves in the cloudy day is lower than that of in the sunny day. The atmosphere pressure had little influence on the solar waves. The few dust cling to the water vapor so solar waves travel without diffused reflection. Furthermore, clouds absorb the solar waves in cloudy days. That is why it showed the results.

Keywords: solar wave, weather condition, self-made radio telescope