

The visibility of ISS

*Reika Maruyama¹, *Mai Sekiguchi¹, Momone Horiuchi¹, Masako Ozai¹

1. Maebashi Girls' High School

We wondered why the visibility of the ISS was changing while we were watching the ISS with our club members after school. In addition, I found that its visibility varies day by day. According to the ISS expectation site by JAXA, we can know the time, the direction, and the angle of elevation to observe the ISS but they don't provide information about the brightness. In the observation of the ISS, we thought it would be brighter when the angle of elevation was bigger. But we also thought other factors might influence the visibility of the ISS, so we decided to study the factors which influence the brightness of the ISS. If we can predict the visibility of the ISS, we can choose suitable days for the observation of the ISS and more people can enjoy it.

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