

Outreach activity for high-school students at Shigaraki MU observatory, Kyoto Univ. with a Hirameki-tokimeki-science by JSPS

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Excursions to a state-of-art large research facilities and introduction of related studies should be very stimulating for high-school students and useful to attract them to science. The MU radar (Middle and Upper atmosphere radar), Rayleigh-Raman lidar, other atmospheric radars at Shigaraki MU observatory (at Shigaraki, Koka, Shiga-pref.) are one of these facilities. However, it is usually difficult to invite high-school students to such a remote research site. We have utilized "Tokimeki Hirameki Science" out-reach program of JSPS (Japan Society for the Promotion of Science) for inviting high-school students to our observatory. In this project, called "Experience meteorological observation by means of laser beam!", we had as many as forty one high-school students to have lectures on atmospheric radars and lidars, to explore radar and lidar facilities, to experience radiosonde (balloon) experiments, and to watch the lidar observation in the evening sky. The project was very successful and have raised interests for science of the students.