

## Plans for the Spectroscopic Observations of Satellites by the Kyung Hee Satellite Tracking System

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An optical satellite observation and tracking facility at Kyung Hee University has been planned to be re-constructed for the spectroscopic observations in addition to the photometric analyses of the satellites. We will discuss necessary hardware, new spectrometer, and ST-7 CCD camera on the original GT-1100 robotic telescope mount. The pointing and tracking accuracy of the new components in the facility have been tested. We will describe the specification of components in the system, the results of accuracy tests, theoretically observable spectrometric magnitude limit with the facility, and future schedule for the spectroscopic observations of satellites over the Korean peninsula.