

Spectroscopic Observations Result of Geo-Stationary Satellites over the Korean Peninsula

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Low resolution spectroscopic observations of Geo-stationary satellites over the Korean peninsula have been carried out at the KyungHee Optical Satellite Observing Facility (KOSOF) with a 40cm telescope. We have observed 9 tele-communication satellites and 1 weather satellite of 6 countries. The obtained spectral data showed that satellites could be classified and grouped with similar basic spectral feature. We divided 10-satellites observed into 4 groups based on spectral slop and reflectance. It is suggested that the material types of the satellites can be determined through spectral coparison with the ground laboratory data. We will continuously observe additional Geo-stationary satellites for the accurate classification of spectral features.