

Development of the Visible/Near-Infrared imaging Spectrometer

Naohisa Hirao[1], Rie Honda[2], Yu-ichi Iijima[1]

[1] ISAS, [2] Information Sci., Kochi Univ.

We develop a new type of the Visible/Near-Infrared imaging Spectroscopy (VIS/NIRS) , combined a grating spectrometer with an area sensor, for future planetary mission. A feature of the instrument is to get image data as well as continuous spectral data at same time, so that it is useful to study mineralogic composition and geological variation. We test the quality of the proto-type model using the indium gallium arsenide (InGaAs) detector as an area sensor and report the results.