

Spectral Atlas with Hokkyodai Spectrograph on 1.6 m Pirca Telescope at Nayoro Observatory.

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We here report on a spectroscopic atlas of solar system objects using the Hokkyodai spectrograph on the 1.6 Pirca telescope of Hokkaido university at the Nayoro observatory.

Spectroscopic observations in visible wavelength were performed with a new spectrograph in 2011.

The wavelength range of the spectrograph is from 500 nm to 900 nm, the wavelength resolution is $R > 300$. We obtained the spectroscopic data of planets: Mercury, Venus, Mars, Jupiter, Saturn, Neptune; Comet: C/2001 P1 Garrad; asteroid: 15 Eunomia in addition to the astronomical data of stars of each spectral type, several emission-line nebulae and a galaxy. One of aims of this spectral catalogue is a visualization and archive for education.

We summarize the results on the first report in 2011.

Keywords: observations, spectroscopy, spectrograph, visible wavelength

