Near-IR and 3-micron band Spectroscopic Observations of a D-type asteroid,773 Irmintraud, by SUBARU/IRCS

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We have performed near-IR photometric and spectroscopic observations of a D-type asteroid, 773 Irmintraud, by SUBARU/IRCS on February 23rd, 2002 (UT). We obtained detailed J (1.18-1.38 micron), H (1.49-1.83 micron), K (1.93-2.48 micron), and L (2.84-4.16 micron) band spectra. We also conducted visible photometric observations using 25-cm telescope at Miyasaka observatory in Yamanashi, Japan, on December 23rd, 2001, January 5th and 15th, and February 10th and 22nd, 2002 (UT) to obtain the accurate lightcurve. In contrast to the previous observations of D-type asteroids (Lebofsky et al., 1990; Cruikshank et al., 2001), we found a gap between K- and L- band spectra, possibly due to 3-micron absorptions of hydrous silicates.