Multi-wavelength Observations for C/2002 V1 (NEAT)

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We carried out optical and near-infrared bservations of C/2002 V1 (NEAT) by several telescopes and instruments: B, V, and I band imagings by 50cm telescope (Mitaka, NAOJ), optical spectroscopic observations by 65cm telescope (Gunma A. O.), and by 28cm telescope (Fujii-Bisei Obs.), optical spectropolarimetric observations by 91cm telescope (OAO, NAOJ), and J, H band imagings by 105cm schumit telescope (Kiso Obs., Tokyo Univ.). At the same time, the mid-infrared observations were performed by the Subaru telescope with COMICS (Cooled Mid Infrared Camera and Spectrometer). These observations were planed to ontain both the scattered light and thermal adiation by cometary dust grains of comet C/2002 V1 (NEAT) simultaneously.

We present the results of our optical and near-infrared observations and discuss on the cometary dust grains in comet C/2002 V1 (NEAT).