V2676 Oph: Dust formation in moderately fast nova

A. Raj¹; G. C. Anupama¹; Pavana M.¹; U. S. Kamath¹; F. M. Walter²

Indian Institute of Astrophysics, ? II Block Koramangala, ? Bangalore 560034, India.; ²Department of Physics and Astronomy, Stony Brook University, Stony Brook, NY 11794-3800, USA

We report near-IR photometric evolution of a moderately fast nova V2676 Oph. The nova showed a pronounced dust formation phase after 90 days from discovery. The H-K color was very large as compared to other dust forming novae in recent years. The dust temperature and mass at various epochs has been estimated from spectral energy distribution (SED) fits to the data. Some physical parameters have been estimated form a CLOUDY model fit to the nebular spectrum obtained on 2015 May 8.