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COMET P/2008 L1 (LARSEN)

R. S. McMillan, Lunar and Planetary Laboratory, University of Arizona, reports that J. V. Scotti has recovered comet P/1997 V1 (cf. *IAUC* 6767) with the Spacewatch 1.8-m $f/2.7$ reflector at Kitt Peak (recovery observation tabulated below). On June 9.4 UT, Scotti described the coma as of diameter 9″, and there was a faint tail extending 0′.15 in p.a. 243°; on June 10.4, he gave the coma diameter as 10″, the tail extending 0′.11 in p.a. 252°. The indicated correction to the prediction on *MPC* 54170 (ephemeris on *MPC* 62064) is $\Delta T = -2.0$ days.

2008 UT	α_{2000}	δ_{2000}	Mag.
June 9.44185	$0^h25^m34^s.60$	$+13^\circ29'14''.0$	20.2

The available astrometry, the following orbital elements (along with revised elements for 1997), and an ephemeris appear on *MPEC* 2008-L45.

$$\text{Epoch} = 2008\ \text{Sept.}\ 11.0\ \text{TT}$$

$$\begin{array}{lll} T = 2008\ \text{Aug.}\ 25.1744\ \text{TT} & \omega = 133^\circ.7286 & \\ e = 0.333226 & \Omega = 234.8163 & \left.\right\} 2000.0 \\ q = 3.271999\ \text{AU} & i = 12.1214 & \end{array}$$

$$a = 4.907208\ \text{AU} \qquad n^\circ = 0.0906677 \qquad P = 10.87\ \text{years}$$

V5579 SAGITTARII

R. J. Rudy, D. K. Lynch, R. W. Russell, K. Crawford, and B. Kaneshiro, Aerospace Corporation; C. E. Woodward, University of Minnesota; M. Sitko, University of Cincinnati and Space Science Institute; and M. Skinner, Boeing LTS, report on spectroscopic observations (range 0.8–13.5 μm) of the nova V5579 Sgr from May 22 UT. Data from 0.8–5.2 μm were obtained using the SPEX instrument at the Infrared Telescope Facility, while measurements from 3–13.5 μm were acquired with the Advanced Electro-Optical Telescope using the Aerospace Corporation's Broadband Array Spectrograph System. The nova has changed dramatically since the early observations from May 9 (*IAUC* 8948). The dust emission has increased and now dominates the continuum. The equivalent widths of the lines have weakened substantially, and the line profiles now show a pronounced absorption at their centers. The excitation of the emission lines remains low, although the He I line at 1.083 μm is now present. The dust has cooled significantly and now has a temperature of 1080 K.

2008 June 13 *Daniel W. E. Green*