

PB

SUPERNOVA 1990L IN UGC 9927

J. Mueller reports her discovery of a supernova in UGC 9927 (R.A. = 15h34m.2, Decl. = +22 40', equinox 1950.0). The supernova is 20" east and 2" south of the galaxy's nucleus and was at mag about 19 on a blue plate taken May 18 UT with the 1.2-m Oschin Telescope in the course of the second Palomar Sky Survey. S. Howell, Planetary Science Institute, reports that an observation made June 3.15 UT with the No. 1 Kitt Peak 0.91-m reflector (300-s CCD exposure) yields Harris V = 19.5 +/- 0.1; he gives the offset (+/- 1".0) as 18".4 east, 2" south. B. Leibundgut, B. Schmidt, and R. Marzke, Center for Astrophysics, report that a CCD observation on June 1.3 with the Mt. Hopkins 0.60-m telescope gives V about 18, and a spectrum obtained the same night with the Multiple Mirror Telescope confirms this as a type Ia supernova, closely resembling the 1981 May 10 spectrum of SN 1981B and indicating an age for SN 1990L of about 2 months past maximum.

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COMET LEVY (1990c)

The following parabolic orbital elements, from 24 observations May 21-June 5, are still preliminary, the ephemeris position in mid-August being uncertain by at least 1 degree (the ephemeris has m1 varying as r to the inverse fourth power):

T = 1990 Oct. 24.359 ET			Peri. = 242.579		
q = 0.93849 AU			Node = 138.570 1950.0		
			Incl. = 131.623		
1990 ET	R.A. (1950)	Decl.	Delta	r	m1
June 8	0 03.37	+28 29.9	2.577	2.359	9.8
13	0 04.99	+28 45.3			
18	0 06.15	+29 00.1	2.291	2.236	9.3
23	0 06.76	+29 13.7			
28	0 06.67	+29 25.6	1.992	2.111	8.7
July 3	0 05.73	+29 34.8			
8	0 03.72	+29 40.4	1.684	1.986	8.1
13	0 00.36	+29 40.5			
18	23 55.22	+29 32.7	1.370	1.861	7.4
23	23 47.71	+29 12.5			
28	23 36.96	+28 33.1	1.059	1.735	6.5
Aug. 2	23 21.68	+27 22.0			
7	22 59.97	+25 17.4	0.763	1.611	5.5
12	22 29.10	+21 39.1			
17	21 45.81	+15 20.9	0.520	1.488	4.3
22	20 48.37	+ 5 15.8			
27	19 41.01	- 7 37.8	0.428	1.369	3.5
Sept. 1	18 35.05	-19 16.8			
6	17 40.33	-27 07.9	0.556	1.256	3.7

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