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SUPERNOVAE 2006qs–2006sr

Fifty-one supernovae discoveries have been reported from survey images: 2006qs–2006ry by the "Nearby Supernova Collaboration" (details on *CBET* 768; magnitude range R = 16.1–20.2), 2006rz by the Sloan Digital Sky Survey II collaboration (communicated by J. Frieman; details on *CBET* 770; magnitude g = 20.0), and 2006sa–2006sq by the ESSENCE project (communicated by P. Challis; details on *CBET* 772; magnitude range R = 20.8–23.5). All are type-Ia supernovae except 2006qt, 2006rc, and 2006rx (type IIn); 2006rh, 2006rj, 2006rk in MCG +05-17-19, 2006rp, 2006rq, 2006rt, 2006ru, and 2006ry (type II); 2006sa (type IIp); and 2006sg (type Ic). SN 2006rs appears to be associated with IC 28. Those objects brighter than mag 18.8 at discovery are tabulated below. SN 2006sr was discovered by D. Rich (Hampden, ME, U.S.A.) on unfiltered CCD frames taken with a 0.31-m reflector. Additional magnitudes for 2006sr in UGC 14: Oct. 1991, [20.2 (Digitized Sky Survey, red); Aug. 1993, [19.9 (DSS, blue); 2006 Nov. 21.99 UT, [18.6 (Rich); Dec. 15.03, 16.9 (Rich).

SN	2006 UT	α_{2000}	δ_{2000}	Mag.	*Offset*
2006qw	Oct. 21.5	$3^h08^m46^s.88$	$+18^\circ56'26''.0$	17.9	–
2006rb	Oct. 24.2	23 35 25.09	+ 7 06 46.4	17.7	–
2006rk	Nov. 6.4	7 16 24.51	+27 37 25.5	16.1	–
2006rp	Nov. 9.5	4 09 05.52	+34 38 15.6	18.3	–
2006rs	Nov. 11.2	0 33 09.13	–13 27 16.2	16.5	–
2006sr	Dec. 12.95	0 03 35.02	+23 11 46.2	17.4	$2''.5$ W, $16''.6$ S

COMET P/2006 W1 (GIBBS)

Additional observations of this comet (cf. *IAUC* 8775) have shown it to be of short period, the elements below taken from *MPEC* 2006-X40:

$$\begin{array}{llll} T = 2006\ \text{Mar. } 25.784\ \text{TT} & \omega = 229^\circ.906 & \\ e = 0.68718 & \Omega = 153.814 & \Big\}\ 2000.0 \\ q = 1.70086\ \text{AU} & i = 19.101 & \end{array}$$

$$a = 5.43716\ \text{AU} \qquad n^\circ = 0.077740 \qquad P = 12.7\ \text{years}$$

COMET 182P/LONEOS

The recovery of comet P/2001 WF_2 = 2006 W2 (cf. *IAUC* 8776) has permitted its numbering as comet 182P/LONEOS (cf. *MPC* 58065).

2006 December 15 *Daniel W. E. Green*