Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION
Mailstop 18, Smithsonian Astrophysical Observatory, Cambridge, MA 02138, U.S.A.
IAUSUBS@CFA.HARVARD.EDU or FAX 617-495-7231 (subscriptions)
CBAT@CFA.HARVARD.EDU (science)
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SUPERNOVAE 2004ht–2004io

Further to *IAUC* 8362, J. Adelman-McCarthy, F. DeJongh, J. Frieman, H. Lampeitl, and D. Tucker, Fermilab; B. Dilday and R. Kessler, University of Chicago; J. Holtzman, New Mexico State University (NMSU); and M. Sako, Stanford University, on behalf of the SDSS Collaboration, report the discovery of 22 supernovae on g'- and r'-band images taken at the SDSS 2.5-m telescope. Spectroscopy was obtained during 2004 Oct. 14–Dec. 11 with the ARC 3.5-m telescope (+ DIS) at Apache Point and the Hobby-Eberly Telescope (+ LRS) at McDonald Observatory. Imaging was obtained with the ARC 3.5-m and the NMSU 1-m telescopes. Date of maximum observed g' flux and approximate g' magnitude on that date are tabulated below, together with supernova position, type, and redshift. Discovery dates: Sept. 22, 2004ht–hy, 2004ia; 24, 2004hz; Oct. 8, 2004ib, 2004id, 2004if; 10, 2004ic, 2004ie; 16, 2004ig, 2004ih; Nov. 3, 2004ii, 2004il–io; 5, 2004ij, 2004ik.

SN	2004 UT	α_{2000}	δ_{2000}	g'	Type	z
2004ht	Sept. 22	$1^h04^m48^s.67$	$-0°53'45''.5$	21.1	II	0.067
2004hu	Sept. 22	1 15 02.42	+ 0 15 42.9	19.3	Ia	0.049
2004hv	Sept. 22	23 48 25.95	+ 1 03 50.3	20.2	II	0.061
2004hw	Sept. 22	23 51 17.35	+ 1 13 39.4	20.1	Ia	0.060
2004hx	Sept. 24	2 41 12.60	− 0 52 46.0	17.2	II	0.014
2004hy	Sept. 24	21 06 04.25	+ 1 12 57.0	20.3	II	0.058
2004hz	Oct. 8	2 05 03.00	+ 0 50 11.9	20.1	Ia	0.143
2004ia	Oct. 8	2 18 02.30	− 0 33 32.4	19.5	Ia	0.143
2004ib	Oct. 10	2 40 56.40	− 0 10 48.3	20.3	Ic	0.056
2004ic	Oct. 10	20 40 48.05	+ 1 02 34.2	20.5	II	0.093
2004id	Oct. 16	0 06 29.64	− 0 28 22.3	19.6	Ia	0.144
2004ie	Oct. 16	22 01 46.58	+ 1 14 12.0	17.5	Ia	0.052
2004if	Oct. 16	22 39 08.54	− 0 51 54.6	21.5	Ia	0.322
2004ig	Oct. 24	0 05 51.79	− 0 59 45.1	20.6	Ia	0.183
2004ih	Oct. 24	2 15 54.31	+ 1 04 09.9	20.0	Ia	0.154
2004ii	Nov. 3	0 16 51.80	− 0 24 56.9	20.7	Ia	0.197
2004ij	Nov. 5	1 21 11.54	− 0 55 09.2	21.3	Ia	0.218
2004ik	Nov. 5	1 44 55.51	− 0 05 58.1	21.3	Ia	0.169
2004il	Nov. 5	3 07 02.69	− 0 00 40.1	19.5	Ia	0.108
2004im	Nov. 5	23 43 07.78	− 0 07 55.5	19.8	Ia	0.14
2004in	Nov. 11	1 30 26.06	+ 0 41 32.3	20.3	Ia	0.161
2004io	Nov. 20	21 23 37.39	− 0 28 00.6	19.7	Ia	0.150

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