

**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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Phone 617-495-7440/7244/7444 (for emergency use only)

SUPERNOVAE 2005gk AND 2005gl

Further to *IAUC* 8610, T. Puckett reports the discovery of two apparent supernovae on unfiltered CCD frames taken with the 0.60-m automated supernova patrol telescope — 2005gk in collaboration with D. George and 2005gl with P. Ceravolo.

SN	2005 UT	α_{2000}	δ_{2000}	Mag.	Offset
2005gk	Oct. 4.31	3 ^h 08 ^m 16. ^s 05	− 4 ^o 12′00″.2	18.5	5″.5 E, 3″.5 N
2005gl	Oct. 5.18	0 49 50.02	+32 16 56.8	18.2	29″.8 E, 16″.7 N

S. Nakano, Sumoto, Japan, reports the independent discovery of 2005gl by Y. Sano (Nayoro, Hokkaido) on thirty unfiltered CCD frames taken around Oct. 12.57 UT with a 0.28-m *f*/6.1 Schmidt-Cassegrain reflector, providing position end figures 50^s11, 55″.9. Nakano adds that Y. Kushida (Yatsugatake South Base Observatory, 0.40-m *f*/10.0 Schmidt-Cassegrain reflector + unfiltered CCD) provides position end figures 50^s12, 56″.1 for 2005gl from an exposure taken by R. Kushida. Additional approximate CCD magnitudes: SN 2005gk, 2004 Oct. 13 and 27, [20.0 (Puckett); 2005 Oct. 9.19, 18.5 (Puckett). SN 2005gl in NGC 266, Sept. 3 and 10, [20.0 (Puckett); Oct. 5, [18 (Sano); 12.14, 16.8 (D. George, Ottawa, ON, 0.40-m reflector; via Puckett); 12.57, 16.7 (Sano); 12.632, 17.0 (Kushida).

M. Ganeshalingam, M. R. Moore, and A. V. Filippenko, University of California, Berkeley, report that inspection of CCD spectra (range 330–1000 nm), obtained on Oct. 11 UT with the Shane 3-m telescope at Lick Observatory, shows that SN 2005gk is of type II. The P-Cyg profile of the broad H α line is dominated by the emission component.

COMETS C/2005 P4, 2005 P5, 2005 P6, 2005 Q5 (SOHO)

The following four tailless Kreutz-sungazing comets, found on SOHO website images (cf. *IAUC* 8604), were all stellar in appearance. C/2005 P4 reached mag 7.6 at 12.2 R_{\odot} on Aug. 11.611 UT. C/2005 P5 reached mag \sim 8 at \sim 11 R_{\odot} . C/2005 P6 reached mag 7.7 at 11.9 R_{\odot} on Aug. 14.321. C/2005 Q5 reached mag 7.3 at 10.8 R_{\odot} on Aug. 18.321.

Comet	2005 UT	α_{2000}	δ_{2000}	Inst.	F	MPEC
C/2005 P4	Aug. 11.071	9 ^h 01. ^m 4	+13 ^o 35′	C3	TH	2005-T55
C/2005 P5	12.638	9 09.7	+13 49	C3	HS	2005-T55
C/2005 P6	14.029	9 16.2	+13 08	C3	HS	2005-T55
C/2005 Q5	17.821	9 27.6	+12 00	C3	SF	2005-T55