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SUPERNOVAE 2005lb–2005lq

CBET 315 contains information for sixteen newly discovered supernovae found on multiple g, r, and i images taken with the SDSS 2.5-m telescope and reported by J. Frieman on behalf of the Sloan Digital Sky Survey II collaboration; all of the new objects are type-Ia supernovae except for 2005lb and 2005lc (type-II events) and 2005lm (probable type-II event). Fourteen of the supernovae were discovered at mag $g > 20$; the other two are tabulated below:

SN	2005 UT	α_{2000}	δ_{2000}	Mag.	z
2005lb	Sept. 10	$22^{h}54^{m}50^{s}.05$	$-0^{\circ}15'09''.0$	18.0	0.03
2005lc	Sept. 10	3 02 11.18	-1 09 59.4	18.8	0.01

V1663 AQUILAE

R. C. Puetter, University of California at San Diego; R. J. Rudy, D. K. Lynch, S. Mazuk, and C. C. Venturini, The Aerospace Corporation; R. B. Perry, Langley Research Center, NASA; and B. Walp, Lick Observatory, report 0.47- to 2.5-μm spectroscopy of V1663 Aql (cf. *IAUC* 8540, 8544) with the Lick 3.0-m telescope (+ VNIRIS) at Nov. 14.160 UT. The optical spectrum was largely nebular, showing [O III], [N II], Hα, and weak He I 587.6-nm, He I 706.5-nm, and [O I]. Weak neutral lines of O I and C I were present. The spectrum showed coronal-line emission of [S VIII], [S IX], strong [Si VI] and [Si VII], weak [Ca VIII], and the unidentified novae lines. The emission lines were flat-topped with minor structure, and their FWHM and FWZI were 2000 km/s and 2600 km/s, respectively. Based on the O I lines, which are about equally produced by Lyβ and continuum fluorescence, the reddening is possibly as large as 2 magnitudes in $E(B-V)$.

COMETS C/2005 S12 AND C/2005 S13 (SOHO)

Two additional Kreutz sungrazing comets have been found on SOHO website images (cf. *IAUC* 8638), their first available positions given below. C/2005 S12 was stellar in C3 images, reaching mag 7.0 at $11.1 R_{\odot}$ on Sept. 26.431. S/2005 S13 was tiny, stellar, and too faint for photometry in C3 images, and both objects were faint and diffuse in C2 images.

Comet	2005 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2005 S12	Sept. 26.154	$11^{h}53^{m}.8$	$-2^{\circ}05'$	C3/2	HS	2005-X11
C/2005 S13	29.821	12 05.8	-3 41	C3/2	BZ	2005-X11

  Daniel W. E. Green