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V2467 CYGNI

R. J. Russell, R. J. Rudy, D. K. Lynch, The Aerospace Corporation; and C. E. Woodward, University of Minnesota, report 0.8- to 5.5-μm spectroscopy of V2467 Cyg on Oct. 10 and 11 UT using the Infrared Telescope Facility (+ SpeX). The spectrum of the nova has increased in excitation since coronal lines were reported last May (*IAUC* 8848). Lines of [Si X] and [S XI] are now seen, indicating the presence of ionizing photons with energies up to at least 447 electron volts. The rarely seen [P VII] feature at 1.37 μm is also observed. The hydrogen/helium emission-line profiles remained peaked, whereas many of the coronal lines had flatter, castellated tops. Line widths (FWHM) were $\sim$ 2000 km/s. The lines of neutral carbon and nitrogen were gone, but the O I lines are still present and suggest a reddening of $E(B-V) = 1.7$, similar to the value of 1.5 reported by Mazuk *et al*. (*IAUC* 8848). There is no indication of dust formation in the nova ejecta.

COMETS C/2007 L7–L11 (SOHO)

Further to *IAUC* 8883, additional Kreutz sungrazing comets have been found on SOHO website images ("discovery" observations tabulated below). C/2007 L7 was small, slightly diffuse, and very faint (mag $\sim$ 8). C/2007 L8 and C/2007 L9 were very diffuse (mag $\sim$ 7.5), the former having no tail, and the latter being elongated. C/2007 L10 was very faint and stellar in appearance in C3 images, and slightly diffuse (mag $\sim$ 7.5) with a hint of tail in C2 images. C/2007 L11 was stellar in appearance (mag $\sim$ 6.5) in C3 images, and very diffuse with a short tail in C2 images.

Comet	2007 UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2007 L7	June 10.663	$5^{h}09^{m}.7$	$+21^{\circ}06'$	C2	BZ	2007-T117
C/2007 L8	10.688	5 08.7	+21 03	C2	BZ	2007-T117
C/2007 L9	10.996	5 10.0	+21 02	C2	BZ	2007-T117
C/2007 L10	13.321	5 20.9	+20 12	C3/2	BZ	2007-T122
C/2007 L11	14.821	5 27.1	+20 18	C3/2	TH	2007-T122

COMETS 192P/SHOEMAKER-LEVY AND 193P/LINEAR-NEAT

Comet P/2007 T3 = P/1990 V1 (cf. *IAUC* 8879) has been assigned the permanent number 192P, and comet P/2007 U2 = P/2001 Q5 (cf. *IAUC* 8885) has been assigned the permanent number 193P (cf. *MPC* 60847).

2007 November 1 *Daniel W. E. Green*