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V2670 OPHIUCHI

R. W. Russell, R. J. Rudy, D. K. Lynch, and A. M. Gilbert, The Aerospace Corporation; and C. E. Woodward, University of Minnesota, report 0.8- to 5.5-μm spectroscopy of V2670 Oph (cf. *IAUC* 8947, 8948, 8949) on June 14 UT using SpeX at the Infrared Telescope Facility. V2670 Oph (Nova Oph 2008 No. 1) displays a generally low-excitation spectrum with lines of neutral carbon, nitrogen, oxygen, and sodium, and singly ionized iron and calcium. V2670 Oph is probably an "Fe II"-type nova; it has distinct, tiered line profiles comprised of both narrow (FWHM = 1100 km/s) and broad (FWHM = 3000 km/s) components. The O I lines that are fluorescently excited by Lyβ are the strongest lines in the infrared spectrum and indicate a reddening of $E(B-V) \approx 1.3$. There is no evidence at present for dust formation.

COMETS C/2008 E7–E9, C/2008 G3, AND C/2008 G4 (SOHO)

Further to *IAUC* 8955, additional apparent comets have been found on SOHO website images; all are Kreutz sungrazers except for C/2008 E7 (non-group). C/2008 E8 was small, stellar in appearance, and of mag $\sim$ 7. C/2008 E7 was visible in C3 images for a day and a half (peaking at mag $\sim$ 6 around Mar. 5.33 UT) before cutting across the C2 field-of-view and fading out; it was basically stellar in appearance, though it may have been slightly diffuse and marginally elongated (when it was very faint) in C2 images. C/2008 E9 was very faint (mag $\sim$ 7–7.5) and slightly diffuse in C3 images, and very diffuse and elongated in C2 images. C/2008 G3 was very diffuse and very faint (mag $\sim$ 8). C/2008 G4 was small, condensed, and teardrop-shaped (mag $\sim$ 7).

Comet	2008	UT	α_{2000}	δ_{2000}	Inst.	F	*MPEC*
C/2008 E7	Mar.	4.638	$22^h56^m.0$	$-\ 4°27'$	C3/2	HS	2008-L26
C/2008 E8		7.071	23 30.0	$-\ 6\ 03$	C3*	HS	2008-L27
C/2008 E9		12.029	23 45.8	$-\ 3\ 58$	C3/2*	BZ	2008-L27
C/2008 G3	Apr.	1.979	0 55.3	$+\ 4\ 20$	C2	HS	2008-L27
C/2008 G4		9.493	1 22.6	$+\ 7\ 00$	C2	MK	2008-L27

COMET 200P/LARSEN

Comet P/2008 L1 = 1997 V1 (cf. *IAUC* 8952) has been assigned the number 200P (cf. *MPC* 63085).

2008 June 20 *Daniel W. E. Green*