Circular No. 8641

# 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) URL http://cfa-www.harvard.edu/iau/cbat.html ISSN 0081-0304 Phone 617-495-7440/7244/7444 (for emergency use only)

### SUPERNOVA 2005lr IN ESO 492-G2

Further to *IAUC* 8634, M. Baek and W. Li report the LOSS discovery of an apparent supernova on unfiltered KAIT images. SN 2005lr is located at  $\alpha = 7^{h}11^{m}39^{s}03$ ,  $\delta = -26^{\circ}42'20''.2$  (equinox 2000.0), which is 18''.8 west and 2''.1 south of the nucleus of the galaxy ESO 492-G2. Available magnitudes: 2003 Oct. 29.45 UT, [19.5; 2005 Oct. 25.40, [19.0; Nov. 5.41, [18.5; Dec. 4.41, 18.5; 5.39, 18.5.

#### V2361 CYGNI

C. C. Venturini, R. J. Rudy, D. K. Lynch, and S. Mazuk, Aerospace Corporation; R. C. Puetter, University of California at San Diego; R. B. Perry, Langley Research Center, NASA; and B. Walp, Lick Observatory, report 0.47- to 2.5- $\mu$ m spectroscopy of V2361 Cyg (cf. *IAUC* 8483, 8487) with the Lick 3.0-m telescope (+ VNIRIS) at Nov. 13.212 UT. The near-infrared excess has diminished, which suggests a lowering of the dust temperature. The object is not as heavily extincted as was previously observed, probably a result of dissipation of a dust shell formed after outburst. The lower-excitation coronal lines of [Si VI] and [Ca VIII] are present. He I 1.0830- $\mu$ m is dominant and He II lines are present. [N I] is identified, and the unidentified novae lines are weakly present. The optical spectrum is faint, and only H $\alpha$ , [O III], and [N II] are prominent — although other weaker features are present.

## NOVA IN THE LARGE MAGELLANIC CLOUD 2005

Additional CCD V magnitudes ( $\pm$  0.06) from W. Liller (cf. *IAUC* 8635): Dec. 4.071 UT, V = 11.96; 5.077, 12.03; 6.067, 11.88.

## COMET P/2005 W3 (KOWALSKI)

Improved elliptical orbital elements from MPEC 2005-X24:

T = 2005 Aug. 23	.0791 TT $\omega$	$ = 199^{\circ}2400 \\ = 211.5687 \\ = 16.7793 \\ \} 2000.0 $
e = 0.530569	$\Omega$ :	= 211.5687  2000.0
q = 3.008609  AU	i :	= 16.7793 J
a = 6.409057  AU	$n^{\rm o} = 0.0607453$	P = 16.22 years

2005 December 6

© Copyright 2005 CBAT

Daniel W. E. Green