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**INTERNATIONAL ASTRONOMICAL UNION**

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 URL <http://cfa-www.harvard.edu/iau/cbat.html> ISSN 0081-0304  
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*COMET P/2007 A1 (LOVAS)*

Below are orbital elements by B. G. Marsden linking 38 observations of P/1986 W1 = P/2007 A1 (cf. *IAUC* 8791; mean residual 0<sup>o</sup>.7):

$$\begin{array}{l}
 \text{Epoch} = 1986 \text{ Sept. } 7.0 \text{ TT} \\
 \left. \begin{array}{l} T = 1986 \text{ Sept. } 2.2572 \text{ TT} \quad \omega = 71.4102^\circ \\ e = 0.592752 \quad \Omega = 283.7467 \\ q = 1.458819 \text{ AU} \quad i = 1.5296 \end{array} \right\} 2000.0 \\
 a = 3.582141 \text{ AU} \quad n^\circ = 0.1453751 \quad P = 6.78 \text{ years}
 \end{array}$$

$$\begin{array}{l}
 \text{Epoch} = 2006 \text{ Dec. } 11.0 \text{ TT} \\
 \left. \begin{array}{l} T = 2006 \text{ Dec. } 12.4538 \text{ TT} \quad \omega = 77.4035^\circ \\ e = 0.604101 \quad \Omega = 278.3039 \\ q = 1.395368 \text{ AU} \quad i = 1.5532 \end{array} \right\} 2000.0 \\
 a = 3.524554 \text{ AU} \quad n^\circ = 0.1489525 \quad P = 6.62 \text{ years}
 \end{array}$$

*SUPERNOVAE 2007A, 2007B, 2007C*

Three apparent supernovae have been discovered on unfiltered CCD frames: 2007A by T. Puckett and T. Orff (cf. *IAUC* 8781; 0.35-m reflector at Ellijay, GA; source of tabulated data below) and by D. Madison and W. Li (LOSS/KAIT; cf. *IAUC* 8789); and 2007B (0.6-m reflector) and 2007C (0.3-m reflector) by K. Itagaki (via S. Nakano; cf. *IAUC* 8782).

SN	2007 UT	$\alpha_{2000}$	$\delta_{2000}$	Mag.	Offset
2007A	Jan. 2.02	0 <sup>h</sup> 25 <sup>m</sup> 16. <sup>s</sup> 66	+12 <sup>o</sup> 53'12. <sup>u</sup> 5	16.0	1 <sup>u</sup> .2 W, 10 <sup>u</sup> .1 N
2007B	Jan. 5.38	22 35 31.10	+34 48 06.6	16.7	7 <sup>u</sup> W, 6 <sup>u</sup> S
2007C	Jan. 7.86	13 08 49.30	- 6 47 01.0	15.9	9 <sup>u</sup> E, 22 <sup>u</sup> S

Additional magnitudes for 2007A in NGC 105: 2005 Dec. 15, [19.1 (Puckett); 2006 Dec. 7.15, [19.5 (KAIT); 20.13, [18.3 (KAIT); 2007 Jan. 3.12, 16.3 (KAIT); 4.14, 16.0 (J. Newton, Portal, AZ, 0.40-m reflector). The LOSS team reports position end figures 16<sup>s</sup>68, 12<sup>u</sup>.7 for 2007A. Additional magnitudes for 2007B in NGC 7315: 2006 Dec. 25.41, [19.0; 2007 Jan. 7.395, 16.4. Additional magnitudes for 2007C in NGC 4981: 2006 Dec. 23.87, [18.5 (Itagaki); 2007 Jan. 8.704, 16.0 (K. Kadota, Ageo, Japan, 0.25-cm *f*/5 reflector; position end figures 49<sup>s</sup>32, 47<sup>u</sup>00<sup>u</sup>.3); 8.71, 15.8 (Itagaki). All three objects were found near maximum: 2007A and 2007B being type-Ia supernovae, and 2007C of type Ib (details on *CBETs* 796, 799, and 800).