Central Bureau for Astronomical Telegrams
INTERNATIONAL ASTRONOMICAL UNION
CBAT Director: Daniel W. E. Green; Hoffman Lab 209; Harvard University;
20 Oxford St.; Cambridge, MA 02138; U.S.A.
e-mail: cbatiau en eps.harvard.edu (alternate cbat en iau.org)
URL http://www.cbat.eps.harvard.edu/index.html
Prepared using the Tamkin Foundation Computer Network

COMET P/2014 O2 = P/1997 T3 (Lagerkvist-Carsenty)

E. Schwab reports the recovery of comet P/1997 T3 (cf. IAUC 6754) on images taken by P. Ruiz with the European Space Agency's Optical Ground Station 1.0-m f/4.4 reflector at Tenerife; measurers assisting Ruiz included E. Schwab, D. Koschny, M. Micheli, and M. Busch. The observations on July 29 and 30 show a nearly stellar object with no tail.

2014 UT	R.A. (2000)	Decl.	Mag.	Observer
July 29.08228	00 56 44.66	+00 51 23.4	20.0	Ruiz
29.11716	00 56 44.97	+00 51 24.1	19.9	
29.17448	00 56 45.53	+00 51 25.2	20.3	
29.20174	00 56 45.79	+00 51 25.6	20.1	
30.09233	00 56 54.48	+00 51 40.5	20.3	
30.13069	00 56 54.82	+00 51 40.9	20.4	
30.18739	00 56 55.32	+00 51 41.9	20.3	

The indicated correction to the prediction by B. G. Marsden on MPC 79348 is Delta(T) = -1.28 days. The following linked orbital elements by G. V. Williams
are from 171 observations spanning 1997 Oct. 05-2014 July 30 (mean residual 0".6); additional orbital elements and an ephemeris appear on MPEC 2014-O65.

Epoch = 1998 Mar. 8.0 TT
T = 1998 Mar. 11.25072 TT Peri. = 334.20425
e = 0.3653686 Node = 63.19894 2000.0
q = 4.2401820 AU Incl. = 4.83533
a = 6.6813301 AU n = 0.05707024 P = 17.270 years

Epoch = 2015 May 18.0 TT
T = 2015 May 7.35857 TT Peri. = 334.05878
e = 0.3633529 Node = 63.13042 2000.0
q = 4.2257220 AU Incl. = 4.84765
a = 6.6374636 AU n = 0.05763693 P = 17.100 years

NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars.

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