

Electronic Telegram No. 3887

Central Bureau for Astronomical Telegrams

INTERNATIONAL ASTRONOMICAL UNION

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Prepared using the Tamkin Foundation Computer Network

COMET P/2014 L1 = P/2003 U3 (NEAT)

Erwin Schwab reports the recovery of comet P/2003 U3 (cf. IAUC 8230) on CCD images obtained by P. Ruiz with a 1.0-m f/4.4 reflector at the European Space Agency's Optical Ground Station, Tenerife (with measurement assistance stated also by D. Koschny, M. Micheli, A. Knoefel, and M. Busch); the comet showed a coma and a tail 15"-20" long in p.a. 250 deg.

2014 UT	R.A. (2000)	Decl.	Mag.	Observer
June 1.16958	22 07 01.89	-17 31 55.9	19.7	Ruiz
1.17711	22 07 02.26	-17 31 53.9	19.4	"
1.18466	22 07 02.68	-17 31 51.6	19.7	"
2.15897	22 07 53.40	-17 27 24.3	19.9	"
2.17062	22 07 54.05	-17 27 21.4	19.9	"
2.17852	22 07 54.42	-17 27 19.0	19.4	"

The indicated correction to the prediction by G. V. Williams on MPC 75734 is $\Delta(T) = -1.80$ days; the indicated correction to the prediction by S. Nakano in the ICQ's 2013 Comet Handbook is $\Delta(T) = -1.60$ days. The following linked orbital elements by Williams (from 124 observations spanning 2003 Oct. 17-2014 June 2; mean residual 0".6) and an ephemeris appear on MPEC 2014-L12.

Epoch = 2014 Oct. 30.0 TT

T = 2014 Oct. 13.58461 TT Peri. = 357.01502

e = 0.5089168 Node = 348.02137 2000.0

q = 2.4877604 AU Incl. = 7.00373

a = 5.0658630 AU n = 0.08644182 P = 11.40 years

NOTE: These 'Central Bureau Electronic Telegrams' are sometimes superseded by text appearing later in the printed IAU Circulars.

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