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## *COMET P/2007 A3 (PETRIEW)*

F. Fratev, E. Mihaylova, and A. Kirchev, Sofia, Bulgaria, report the recovery of comet P/2001 Q2 (cf. *IAUC* 7686) on unfiltered CCD images taken with a 0.25-m $f/3.2$ reflector at Zvezdno Obshtestvo Observatory (Plana), noting a diffuse coma of diameter $\sim 0'.2$. Additional CCD astrometry has been reported by L. Buzzi and F. Luppi (Varese, Italy, 0.60-m reflector; comet $\approx 1'$ east of prediction; quite diffuse with a round inner coma of size $\sim 15''$–$20''$ in stacked 15-s exposures), W. Hasubick (Buchloe, Germany), and K. Kadota (Ageo, Saitama-ken, Japan, 0.25-m reflector; coma diameter $0'.7$; diffuse with moderate condensation and no tail).

| 2007 UT | $\alpha_{2000}$ | $\delta_{2000}$ | Mag. | *Observer* |
|---|---|---|---|---|
| Jan. 11.69458 | $21^h15^m04^s.98$ | $-9°04'27''.9$ | 16.1 | Fratev |
| 11.69961 | 21 15 06.11 | −9 04 20.7 | 16.1 | " |
| 11.70273 | 21 15 06.61 | −9 04 21.2 | 16.1 | " |
| 13.70378 | 21 22 24.07 | −8 43 33.7 | 15.9 | " |
| 13.71309 | 21 22 26.41 | −8 43 24.8 | 15.9 | " |
| 13.71569 | 21 22 27.03 | −8 43 24.3 | 15.9 | " |
| 13.71957 | 21 22 27.88 | −8 43 24.3 | | Buzzi |
| 13.72247 | 21 22 28.45 | −8 43 23.6 | | " |
| 13.72301 | 21 22 28.57 | −8 43 16.1 | 15.9 | Fratev |
| 13.72495 | 21 22 29.04 | −8 43 21.5 | | Buzzi |
| 13.72621 | 21 22 29.33 | −8 43 21.3 | 17.3 | Hasubick |
| 13.72713 | 21 22 29.33 | −8 43 20.5 | 15.9 | Fratev |
| 13.72734 | 21 22 29.57 | −8 43 19.4 | | Buzzi |
| 13.73018 | 21 22 30.20 | −8 43 17.6 | 16.5 | " |
| 14.37541 | 21 24 52.63 | −8 36 22.8 | | Kadota |
| 14.37720 | 21 24 53.03 | −8 36 21.5 | | " |
| 14.37906 | 21 24 53.46 | −8 36 20.6 | 15.1 | " |

The indicated correction to the prediction on *MPC* 51822 is $\Delta T = -0.04$ day. The following orbital elements are by B. G. Marsden, from 434 observations 2001–2007 (mean residual $0'.7$):

$$\text{Epoch} = \text{2007 Mar. 1.0 TT}$$

$$\begin{array}{llll} T = \text{2007 Feb. 24.5806 TT} & \omega = 181°.9215 & & \\ e = 0.698129 & \Omega = 214.1025 & \left.\right\} 2000.0 & \\ q = 0.937602 \text{ AU} & i = 13.9747 & & \end{array}$$

$$a = 3.105970 \text{ AU} \qquad n° = 0.1800563 \qquad P = 5.47 \text{ years}$$

2007 January 14  *Daniel W. E. Green*