ELEMENTS OF COMET 1907 b.

By ELEANOR A. LAMSON and C. W. FREDERICK.

This comet was discovered by MELLISH at Madison, Wis., on April 14, 1907. Elements were computed from the three following observations made at Washington, using the method of OPPOLZER, as given in *Bahnbestimmung der Kometen und Planeten*.

Date.	Washington Mean Time.	Apparent α .	Apparent δ .	Red. to 1907.0	
				α	δ
1907	h m s	h m s	° ' "	s	"
Apr. 15	8 42 37	6 52 32.4	+13 33 46	+0.1	+4
16	8 41 2	7 2 53.5	+18 32 44	+0.1	+4
17	9 0 29	7 12 13.8	+22 47 7	+0.2	+4

Elements.

$T = 1907$, March 27.5642, Greenwich Mean Time.

$$\begin{array}{l} \omega = 328 \ 46 \ 57 \\ \Omega = 189 \ 7 \ 23 \\ i = 110 \ 11 \ 55 \\ q = 0.9240 \end{array} \bigg| 1907.0$$

The residuals (O-C) for the middle place are $\cos \beta \Delta \lambda = +2''$ and $\Delta \beta = +1''$.

Heliocentric Coordinates 1907.0

$$\begin{array}{l} x = r [9.99514] \sin (235 \ 36 \ 32 + v) \\ y = r [9.19765] \sin (216 \ 6 \ 54 + v) \\ z = r [9.99941] \sin (325 \ 9 \ 35 + v) \end{array}$$

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