ELEMENTS OF COMET 1905 II.

By H. R. MORGAN and ELEANOR A. LAMSON.

This comet was discovered by BORRELLY at Marseille, France, on December 29, 1904. Elements were computed from the following three 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 1905.0	
				α	δ
1904	h m s	h m s	° ' "	s	"
Dec. 30	10 44 58	1 15 14.2	-8 56 48	+0.4	+5
31	7 54 20	1 16 22.4	-8 13 30	+0.4	+5
1905					
Jan. 1	7 12 44	1 17 38.7	-7 25 45	+0.4	+5

Elements.

$T = 1905, \text{ January } 13.4747, \text{ Greenwich Mean Time.}$

$$\left. \begin{array}{l} \omega = 349 \ 59 \ 8 \\ \Omega = 72 \ 57 \ 7 \\ i = 32 \ 47 \ 27 \end{array} \right\} 1905.0$$

$$q = 1.4899$$

Heliocentric Coordinates 1905.0

$$\left. \begin{array}{l} x = r [9.93222] \sin (149 \ 56 \ 41 + v) \\ y = r [9.94307] \sin (79 \ 17 \ 44 + v) \\ z = r [9.84892] \sin (22 \ 36 \ 13 + v) \end{array} \right\}$$