ELEMENTS OF COMET 1905 V.

By ELEANOR A. LAMSON.

This comet was discovered by SCHAER at Geneva, Switzerland, on November 17, 1905. Elements were computed from the following three observations made at Washington, using the method given in *Bahnbestimmung der Kometen und Planeten*, by THEODOR R. V. OPPOLZER.

Date.	Washington Mean Time.	Apparent α .	Apparent δ .	Log $p\Delta$.		Red. to 1905.0	
				α	δ	α	δ
1905	h m s	h m s	° ' "			s	"
Nov. 21	6 14 46	23 46 14.76	+52 53 28.7	9.464 _n	0.238 _n	-2.68	-13.7
23	10 39 34	23 37 39.65	+35 48 47.2	9.622	0.248	-2.38	-14.1
26	9 56 19	23 32 54.65	+19 13 36.8	9.504	0.543	-2.24	-14.4

Elements.

$T = 1905$, October 25.7345, Greenwich Mean Time.

$$\left. \begin{array}{l} \omega = 132 \ 39 \ 47 \\ \Omega = 222 \ 55 \ 38 \\ i = 140 \ 36 \ 10 \end{array} \right\} 1905.0$$

$$q = 1.0520$$

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

Heliocentric Coordinates 1905.0

$$\begin{aligned} x &= r [9.95508] \sin (\ 6 \ 57 \ 19 + v) \\ y &= r [9.83204] \sin (\ 65 \ 45 \ 47 + v) \\ z &= r [9.93030] \sin (114 \ 6 \ 26 + v) \end{aligned}$$

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