Auf der Sternwarte des Kammerherrn von Bülow in Bothkamp.

1884	M. Z. Bothk.	$\Delta\alpha$	$\Delta\delta$	Vgl.	α app.	$\log p.A$	δ app.	$\log p.A$	*
Oct. 13	9 ^h 16 ^m 7 ^s	— 3 ^m 34 ^s 17	+ 6' 35".4	3	21 ^h 36 ^m 45 ^s 73	9.029	+ 11° 27' 49".6	0.780	1
14	6 38 53	+ 1 13.92	+ 2 27.9	13	21 38 2.28	9.103 _n	+ 11 1 52.7	0.784	2
20	7 45 10	— 0 35.10	— 0 20.5	20	21 47 41.17	7.780 _n	+ 8 10 6.0	0.802	3

Mittlere Oerter der Vergleichsterne für 1884.0.

№	α 1884.0	δ 1884.0	Autorität
1	$21^{\text{h}} 40^{\text{m}} 16^{\text{s}}.63 + 3^{\text{s}}.27$	$+ 11^{\circ} 20' 44''.7 + 29''.5$	$1/2$ (B.Z. 28 + Lam ₄ 2791)
2	$21 \ 36 \ 45.13 + 3.23$	$+ 10 \ 58 \ 55.4 + 29.4$	$1/2$ (B.Z. 30 + Lam ₄ 2761)
3	$21 \ 48 \ 13.05 + 3.22$	$+ \ 8 \ 9 \ 57.7 + 28.8$	B.Z. 10

Oct. 20. Unruhige Luft, Comet schwach, Durchmesser 0.4.

Bothkamp 1884 Oct. 21.

J. Lamp.

Elements of Comet 1884 Wolf.

The following elements of Comet 1884 Wolf have been computed by Mr. Wendell and myself from the observations

1884	α app.	δ app.
Sept. 20 ^d 11 ^h 14 ^m 21 ^s Strassburg M. T.	21 ^h 15 ^m 22 ^s 38	+ 22° 22' 53".8
Oct. 1 8 50 52 Harv. Coll. »	21 22 46.63	+ 17 14 20.8
11 11 47 38 Harv. Coll. »	21 34 23.62	+ 12 16 37.9

Correcting for parallax and aberration we derived first the parabola

$$\left. \begin{aligned} T &= 1884 \text{ Nov. } 14.23309 \text{ Greenw. M. T.} \\ \pi - \Omega &= 170^\circ 40' 36".0 \\ \Omega &= 197 16 24.3 \\ i &= 34 0 46.8 \end{aligned} \right\} \text{Mean Equin. 1884.0}$$

$$\log q = 0.273507$$

but the residuals of the middle place (C—O):

$$\begin{aligned} \Delta\lambda \cos \beta &= + 7' 35".8 \\ \Delta\beta &= - 4 40.5 \end{aligned}$$

which could not be sensibly reduced, showed clearly the elliptical character of the orbit; and we accordingly calculated the following ellipse:

Cambridge, U. S. A., 1884 Oct. 13.

$$\left. \begin{aligned} T &= 1884 \text{ Nov. } 17.71070 \text{ Greenw. M. T.} \\ \pi - \Omega &= 172^\circ 36' 40".5 \\ \Omega &= 206 27 36.5 \\ i &= 25 10 54.3 \end{aligned} \right\} \text{Mean Equin. 1884.0}$$

$$\begin{aligned} \log q &= 0.196049 \\ a &= 3.53638 \\ e &= 0.555885 \end{aligned}$$

The corresponding period is 2429 days, or about 6.65 years.

Constants for the Equator.

$$\begin{aligned} x &= [9.999051] \cdot \sin(106^\circ 51' 31".1 + v) \\ y &= [9.999977] \cdot \sin(16 44 24.7 + v) \\ z &= [9.278508] \cdot \sin(103 33 17.3 + v) \end{aligned}$$

S. C. Chandler jr.

Berichtigungen zu Register Bd. 109 pag. 400 Z. 9 v. u. statt: 447 lies: 247

Nr. 2618 » 110 » 21 » 10 u. 11 v. u. statt: 50° lies: 51°.

» 2621 » » 75 » 4 v. u. statt: DM. +11° 45' 66" lies: DM. +11° 46' 26".

Inhalt:

Zu Nr. 2625. *A. Hall*. Note on the Latitude of the Naval Observatory. 129. — *C. W. Pritchett*. On the Latitude of the Morrison Observatory, Glasgow Mo. 131. — *E. E. Barnard*. Duplicity of the small star preceding β Capricorni. 133. — *B. A. Gould*. Cordoba Observations of the Comet 1881 IV. 133. — *John Tebbutt*. Observations of the Comet 1884 I (Pons 1812). 135. — Beobachtungen des Cometen 1884 Wolf in Palermo, Dresden und Bothkamp. 141. — *S. G. Chandler jr.* Elements of 1884 Wolf. 143.