

Beobachtungen des Cometen I. 1871 auf der Sternwarte in Berlin.

Von dem Cometen I. 1871 wurden hier bisjetzt folgende Beobachtungen erhalten:

	Mittl. Zt. Berlin.	Scheinb. α	l. f. p.	Scheinb. δ	l. f. p.	*
1871 April 10	9 ^h 20 ^m 22 ^s	2 ^h 41 ^m 38 ^s 05	9,724	+52° 26' 47"1	0,776	a
11	8 47 58	2 46 14,44	9,743	51 57 18,1	0,762	b
14	8 59 22	2 59 58,46	9,719	50 22 54,3	0,788	c
14	9 19 51	3 0 0,33	9,702	50 22 25,2	0,808	d
15	12 10 24	3 4 55	9,283	49 46	0,926	e
19	11 17 20	3 21 38,59	9,465	47 31 34,6	0,909	f
20	9 40 31	3 25 24,75	9,650	46 58 48,5	0,840	g
22	12 7 31	3 33 42,07	9,265	+45 43 10,1	0,884	h

Mittl. Ort der Vergleichsterne für 1871,0.

a	2 ^h 41 ^m 36 ^s 30	+52° 24' 44"8	α nach Lal.	δ nach Mer.-B.
b	2 48 12,50	+51 58 40,2	Meridian-Beobachtung.	
c	2 59 9,21	+50 21 46,6	=	=
d	3 1 16,20	+50 26 12,8	=	=
e	3 3 1	+49 46	Bonner Durchmusterung.	
f	3 21 29,31	+47 32 50,2	Catalog d. Vierteljahrschrift der Astronom. Gesellschaft.	
g	3 24 18,50	+46 58 59,2	Mer.-Beob.	
h	3 32 22,90	+45 44 54,8	=	= (δ unsicher)

Da nachstehende Elemente, die aus den Beobachtungen Karlsruhe April 7, Altona April 9 und Berlin April 11 abgeleitet wurden, noch sehr nahe mit dem Himmel stimmen, so mögen sie hier folgen:

$$T = 1871 \text{ Juni } 10,50349 \text{ mittl. Zt. Berlin.}$$

$$\left. \begin{aligned} \pi &= 142^\circ 5' 18,0 \\ \Omega &= 279 25 17,2 \\ i &= 87 31 54,9 \end{aligned} \right\} \text{Mittl. Aeq. 1871,0.}$$

$$\log q = 9,813829$$

Berlin, 1871 April 25.

F. Tietjen.

Beobachtungen des Planeten (107) Camilla auf der Sternwarte in Madras.

1868	Madras Mean Time.	Mag.	App. R. A.	App. P. D.	Log (Par. $\times \Delta$)		Comparisons.
					R. A.	D. D.	
Dec. 5	11 ^h 21 ^m 40 ^s 6	11.9	1 ^h 58 ^m 10 ^s 87	87° 28' 13"4	9,5298	0,2286n	10 with d
8	11 14 45,2	12.5	1 57 22,69	87 32 7,9	9,5444	0,2323n	24 with d, e
11	11 9 16,7	12.7	1 56 53,48	87 30 54,7	9,5610	0,2333n	24 with d, e
18	11 24 18,7	13.0	1 56 15,48	87 27 41,6	9,6458	0,2446n	24 with d, e
19	11 12 49,4	13.2	1 56 14,98	87 26 42,3	9,6324	0,2419n	20 with d, e

The above are the few remaining observations of the planet Camilla, in continuation of those already given in Astr. Nachr. № 1737, where the positions of the comparison stars as determined with the Madras Meridian Circle were also given in advance. — The first, on December 5th, was a ring-micrometer observation, but the other four were taken by means of Boguslawski's excellent method with a thick bar, and two comparison stars.

I thought to have sent off these few places of Camilla shortly after these above referred to, but heavy pressure of

other duties, family sickness and death have completely defeated my hopes and plans and caused the extraordinary delay which has occurred, possibly resulting in the loss of the planet, although an approximate ephemeris for the second opposition now probably near at hand might enable me to recover it and would at all event ensure a diligent search on my part.

The observations of Sylvia at the last two oppositions shall be forthcoming at an early date.

Madras, 1871 April 5. Norman R. Pogson.

Literarische Anzeige.

Tratado de Astronomia esférica y práctica. Por el Dr. M. F. Brünnow, Director del Observatorio de Dublin. Segunda Edición, traducida al Castellano por el Dr. C. W. Mösta, antiguo Director del Observatorio de Santiago. Dresde y Leipzig. Imprenta de B. G. Teubner 1871.