Beobachtungen von Cometen im Jahre 1877

auf der Sternwarte Kremsmünster.

Comet b 1877.

	M. Kr. Z.	Comet — d α	* d δ	α app.	δ app.	l. f. p. in α	l. f. p. in δ	* a	Z. d. Vergl.
Mai 10	10 ^h 52 ^m 47 ^s	+16 ^m 25 ^s 95	+ 6' 18'' 1	1 ^h 16 ^m 52 ^s 73	+ 77° 23' 34'' 4	0.799 _n	0.788	a	2
12	12.29.46	— 54.02	+ 1.36.42	2.37.48.72	+ 79.37.26 0	1.039 _n	0.754	b	12
17	9.36.19	— 1.53.42	— 1. 6.36	6.12. 9.46	+ 78.13.32.6	0.431	0.375	c	6
27	10.24.38	— 43.96	+ 57.18	30. 4.05	+ 65. 9.47.7	1.063	0.384	d	12
28	11.48.30	+ 4. 3.31	— 2. 2.88	35.38.41	+ 63.51.30.1	0.994	0.529	e	4
Juni 2	10.23.36	— 5.17.76	+ 2.39.08	54. 9.81	+ 58.16.52.7	0.920	0.359	f	7
3	11.27. 8	— 9.34.38	— 2.35.18	57. 9.74	+ 57.12.37.0	0.873	0.494	g	4
4	10.38.15	— 6. 8.89	+ 7.12.58	59.43.42	+ 56.14.59.4	0.877	0.402	h	8
5	10.24.46	+ 51.75	— 10.46.9	9. 2. 8.86	+ 55.17.58.8	0.702	0.377	i	6
8	10.25. 7	— — —	— — —	9. 8.37.40	+ 52.34.44.1	0.811	0.392	j	6
10	10.13.19	— — —	— — —	9.12.15.12	+ 50.54.49.0	0.782	0.376	k	8
11	10. 5.39	— 9.39	+ 2.58.79	14. 0.75	+ 50. 7. 8.6	0.769	0.365	l	15
12	10.14. 2	— 4.25.85	— 4.35.19	15.37.20	+ 49.20.26.4	0.687	0.385	m	8
14	9 58.58	+ 1.41.77	— 4.89	18.40.43	+ 47.51.36.3	0.729	0.356	n	8
15	10.14.56	— 28.87	— 34.09	19.58.31	+ 47. 9. 4.5	0.743	0.394	o	10
16	10.19.24	+ 1.46.00	+ 10.45.29	21.32.44	+ 46.28. 0.3	0.706	0.402	p	7
17	10.17. 3	— 3. 9.91	— 2.42.49	22.50.10	+ 45 47.44.5	0.694	0.401	q	6
18	10.31.37	— — —	— — —	9 24. 7.93	+ 45. 7.59.8	0.667	0.423	r	8
19	10.18.35	— 7.44.23	— 2.43.29	25.22.23	+ 44.30.17.0	0.663	0.405	s	5
20	10.21. 0	— — —	— — —	9.26.36.13	+ 43.53. 9.9	0.650	0.409	t	6
26	10.18.14	— 1.14.09	+ 11.58.39	33.10.67	+ 40.31.15.1	— — —	— — —	u	6
Juli 4	10.33.45	— 4. 9.51	— 8.48.19	40.45.03	+ 36.44. 5.0	— — —	— — —	v	8

Comet c 1877.

	M. Kr. Z.	$d\alpha$	$d\delta$	α app.	δ app.	l. f. p. in α	l. f. p. in δ	*	Z. d. Vergl.
Mai 8	9.56.19	+ 4 ^m 41 ^s 17	— 13' 21'' 7	5 ^h 47 ^m 27 ^s 90	+ 57° 42' 45'' 7	0.928	0.531	w	8
10	9.50.24	+ 55 70	— 10.54.36	8.12.37	+ 56. 7 25.2	0.920	0.540	x	8
12	10.58.55	— 1.47.79	+ 3.53.96	26.33.19	+ 54.24.12.7	0.856	0.599	y	4
17	10.28.55	+ 2.55.69	+ 0.67. 6. 0.15	+ 49.25.39.3	0.829	0.547	z	c	

Angenommene Oerter 1877.0.

a Arg.-Oeltz.	1099	$\alpha = 1^h 0^m 31^s 75$	$\delta = + 77^\circ 17' 18'' 2$
b " "	3108	" 2.38.48.48	" + 79.35.42.9
c " "	2964	" 6.14. 3.64	" + 78.14.23.5
d Fedorenko	1350	" 8.30.46.14	" + 65. 8.36.3
e Arg.-Oeltz.	9155	" 8.31.33.28	" + 63.53.19.0
f Arg.-Oeltz.	9582	" 8.59.25.70	" + 58.14.21.0
g Urs. maj. Rümker	"	" 9. 6.42.25	" + 57.15. 1.0
h Arg.-Oeltz.	9698	" 9. 5.50.41	" + 56. 7.36.0
i " "	9617	" 9. 1.15.33	" + 55.28.34.9
j d. Anshl. Arg.-Oeltz.	9796	" 9.12.45.93	" + 52.28.14.4
k " " " "	9817	" 9.14. 7.88	" + 51. 7.30.1

l Arg.-Oeltz.	9818	$\alpha = 9^h 14^m 8^s 44$	$\delta = +50^\circ 4' 1'' 1$
m " "	1990	" 9.20. 1.34	" +49.24.53 1
n Arg.-Oeltz.	9852	" 9.16.57.01	" +47.51.33.2
o d. Anschl. B. A. C.	3150	" 9. 9. 4.91	" +47.19.44.2
p Arg.-Oeltz.	9896	" 9.19.44.82	" +46.17. 7.7
q " "	10002	" 9.25.58.37	" +45.50. 1 9
r d. Anschl. Arg.	9895	" 9.19.41.64	" +45.27.49.2
s B. W. 672.		" 9.33. 4.81	" +44.32.53.8
t d. Anschl. B.W. 513 u. 14		" 9.26.17.32	" +43.51.56.3
u Lal. 18977 u. 18978		" 9.34.23 21	" +40.19. 9.4
v B. W. 918, 19 u. 20.		" 9.44.53.52	" +36.52.49.9
w Argel. 6243		" 5.42.46 44	" +57.55.50.4
x " 6686		" 6. 9. 7 50	" +56.18. 3.8
y Merid.-Best.		" 6.28.19 89	" +54.20.11.0
z Argel. 7612		" 7. 2.54.46	" +49.25.25 4

Kremsmünster 12. Sept. 1877.

G. Strasser.

Elemente und Ephemeride
des von J. Coggia in Marseille am 13. September entdeckten Cometen,
berechnet von Dr. J. Holetscheck.

Circular der kaiserlichen Akademie der Wissenschaften in Wien.

Bis zum Schlusse der Rechnungen waren die folgenden Beobachtungen bekannt geworden:

Ort	1877	mttl. Ortsz.	app. α	app. δ	Beobachter
1. Marseille	Sept. 13	16 ^h 40 ^m s	8 ^h 33 ^m s	+ 48°30' "	Coggia
2. "	" 14	14.38. 8	8.32 3 10	48.14. 0.6	"
3. Pola	" 15	14.25.18	8.31.24.64	47.58.16.3	J. Palisa
4. Mailand	" 16	13.40. 5	8.30.45.56	47.41.50.1	Schiaparelli
5. Leipzig	" 17	12.32. 4	8 30. 3.46	47.26. 7.6	Peter
6. Pola	" 17	16.14. 0	8.29.56.84	47 23.27.2	J. Palisa
7. Leipzig	" 18	13.45.56	8 29.14.99	47. 8.23.8	Bruhns
8. Wien	" 18	15 21.47	8 29.12.81	47. 7.37.6	Weiss
9. "	" 18	16. 1.19	8.29.10.34	47. 7. 3.2	A. Palisa
10. Strassburg	" 18	15.40.11	8.29.12.32	+ 47. 6.54.5	Winnecke

Aus den Positionen 2, 4 und dem Mittel aus 8 und 9 ergab sich das folgende Elementensystem:

T = 1877 September 27.9353 mittl. Berl. Zeit.

$$\left. \begin{array}{l} \pi = 42^\circ 6' 0'' \\ \Omega = 247.11.58 \\ i = 105.40.31 \end{array} \right\} \begin{array}{l} \text{mittl. Aeq.} \\ 1877.0 \end{array}$$

$$\log q = 0.18154$$

Darstellung der mittleren Beobachtung (B.—R.):

$$\begin{array}{l} d\alpha \cos \beta = + 14'' \\ d\beta = - 4. \end{array}$$