

# ASTRONOMISCHE NACHRICHTEN.

Band 152.

N<sup>o</sup> 3634.

10.

## Beobachtungen von Planeten, Cometen und Nebeln

angestellt am 27 zöll. Refractor der k. k. Sternwarte in Wien von Dr. *J. Palisa*.

### I. Planeten.

1899	M. Z. Wien	$\Delta\alpha$	$\Delta\delta$	Vgl.	$\alpha$ app.	$\log p. \Delta$	$\delta$ app.	$\log p. \Delta$	Red. ad l. app.	*
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(83) Beatrix.

März 15	13 <sup>h</sup> 20 <sup>m</sup> 17 <sup>s</sup>	— 1 <sup>m</sup> 1 <sup>s</sup> 70	+ 0' 40" 7	4	12 <sup>h</sup> 25 <sup>m</sup> 7 <sup>s</sup> 16	8.691	+ 1° 41' 19" 1	0.806	+ 2 <sup>s</sup> 92 — 19" 4	1
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(110) Lydia = 1899 EW.

Nov. 6	12 44 24	+ 4 20.42	— 0 19.5	4	1 55 27.94	9.274	+ 8 1 11.7	0.762	+ 4.93 + 26.7	2
9	13 48 5	+ 0 50.73	— 0 42.8	4	1 52 56.23	9.468	+ 7 36 11.3	0.777	+ 4.94 + 26.6	3

(161) Athor = 1899 EQ. (Gr. 10<sup>m</sup> 5).

Oct. 9	10 54 42	+ 2 2.49	— 1 44.6	4	1 19 56.07	9.091 <sub>n</sub>	+ 8 38 23.1	0.745	+ 4.71 + 28.2	4
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(222) Lucia = 1899 EK.

März 19	10 28 36	+ 0 46.52	+ 3 49.6	4	12 21 56.48	9.308 <sub>n</sub>	+ 1 7 58.3	0.811	+ 2.96 — 19.5	5
20	10 52 57	+ 1 58.77	— 4 3.5	4	12 21 10.36	9.203 <sub>n</sub>	+ 1 12 57.7	0.810	+ 2.97 — 19.5	6
30	9 41 33	+ 0 34.63	— 0 32.8	4	12 13 37.23	9.293 <sub>n</sub>	+ 2 0 33.8	0.805	+ 3.03 — 19.6	7
April 13	12 50 14	— 0 39.62	— 1 48.8	6	12 3 38.89	9.339	+ 2 57 59.0	0.800	+ 3.03 — 19.2	8

Die Rectascensionen vom 19. und 20. März sind nicht vertrauenswürdig.

(226) Weringia.

April 17	10 17 20	— 1 12.62	+ 2 6.4	7	12 27 16.88	8.686 <sub>n</sub>	+ 18 34 53.6	0.638	+ 3.13 — 16.9	9
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(257) Silesia.

Aug. 30	12 51 56	— 1 4.15	— 0 59.2	4	23 19 23.80	8.159	— 9 7 19.3	0.818	+ 4.42 + 28.4	10
31	11 55 42	+ 2 39.91	+ 1 46.2	4	23 18 41.66	8.876 <sub>n</sub>	— 9 11 25.2	0.818	+ 4.44 + 28.3	11

(259) Aletheia.

Oct. 30	11 42 28	— 1 17.85	— 0 3.0	4	3 28 5.00	9.076 <sub>n</sub>	+ 8 49 15.8	0.750	+ 4.99 + 19.0	12
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(265) Anna.

Aug. 14	11 50 7	— 3 13.99	— 4 46.4	4	22 9 16.13	8.930 <sub>n</sub>	— 21 4 8.5	0.914	+ 4.60 + 25.4	13
15	12 14 18	— 4 47.57	+ 0 26.8	4	22 7 42.57	8.562 <sub>n</sub>	— 20 58 55.5	0.916	+ 4.62 + 25.2	13

(269) Justitia.

Mai 14	11 21 15	+ 0 51.02	— 2 40.2	4	14 17 49.88	8.755	— 4 23 14.2	0.845	+ 3.39 — 16.8	14
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(274) Philagoria.

Mai 17	13 49 32	— 0 41.76	+ 0 25.0	4	15 47 26.31	9.255	— 16 25 44.7	0.892	+ 3.76 — 12.2	15
18	13 3 56	— 1 30.80	+ 1 55.5	4	15 46 37.28	9.048	— 16 24 14.2	0.898	+ 3.77 — 12.2	15

(276) Adelheid.

Mai 14	10 58 9	— 1 45.75	+ 0 40.8	4	13 46 51.80	8.849	— 8 20 9.5	0.866	+ 3.35 — 18.5	16
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1899	W. Z. Wien	$\Delta\alpha$	$\Delta\delta$	Vgl.	$\alpha$ app.	$\log p \cdot \Delta$	$\delta$ app.	$\log p \cdot \Delta$	Red. ad l. app.	*
(278) Paulina.										
Oct. 26	10 <sup>h</sup> 51 <sup>m</sup> 31 <sup>s</sup>	-4 <sup>m</sup> 6 <sup>s</sup> 84	+3' 56" 8	4	3 <sup>h</sup> 23 <sup>m</sup> 11 <sup>s</sup> 86	9.344 <sub>n</sub>	+15° 16' 34" 4	0.701	+5 <sup>s</sup> 10 +18" 5	17
28	9 7 58	-5 43.22	+1 0.3	4	3 21 35.52	9.532 <sub>n</sub>	+15 13 38.0	0.739	+5.14 +18.6	17
(295) Theresia.										
Juli 11	13 2 59	-1 11.79	+1 42.9	4	20 45 14.39	8.624	-16 12 54.7	0.900	+4.28 +17.2	18
(301) Bavaria. (Oct. 30 Gr. 13 <sup>m</sup> ).										
Oct. 30	11 27 21	+0 42.01	+3 44.5	4	3 27 26.86	9.159 <sub>n</sub>	+11 16 6.0	0.730	+5.05 +19.0	19
Nov. 1	10 48 15	-0 56.31	-4 10.2	4	3 25 48.57	9.281 <sub>n</sub>	+11 8 11.3	0.736	+5.08 +19.0	19
(307) Nike.										
Nov. 4	11 36 33	-2 56.86	-3 26.1	4	2 37 26.02	7.945 <sub>n</sub>	+ 6 5 2.2	0.771	+4.98 +23.2	20
Zu spät wurde ich darauf aufmerksam, dass (307) Nike in den vorangehenden Oppositionen vergeblich gesucht worden war, so dass diese Beobachtung auch einem anderen Planeten angehören kann.										
(326) Tamara.										
März 15	13 38 19	-1 0.43	-3 36.1	4	12 58 19.74	8.390	+18 6 51.3	0.645	+2.90 -20.7	21
16	10 28 34	-5 40.54	-1 50.1	4	12 57 15.20	9.443 <sub>n</sub>	+18 7 11.2	0.688	+2.90 -20.8	22
(331) Etheridgea.										
Oct. 5	11 48 0	+0 0.84	+0 24.4	4	0 55 42.82	8.244 <sub>n</sub>	+ 4 18 16.7	0.786	+4.64 +29.0	23
9	11 23 28	+4 15.88	-5 40.9	4	0 52 22.37	8.431 <sub>n</sub>	+ 4 7 9.9	0.787	+4.66 +29.4	24
(334) Chicago.										
Juli 11	12 7 22	-1 22.53	-2 10.0	5	20 30 47.36	9.062 <sub>n</sub>	-17 29 49.6	0.901	+4.34 +16.1	25
13	12 12 51	+1 1.00	+0 14.7	4	20 29 34.99	8.953 <sub>n</sub>	-17 36 8.2	0.903	+4.39 +15.9	26
(340) Eduarda.										
März 9	14 20 22	-3 39.31	-3 12.1	4	12 28 24.68	9.056	+ 0 28 37.2	0.814	+2.84 -19.0	27
14	11 13 1	-4 56.47	+4 6.4	3	12 24 29.96	9.231 <sub>n</sub>	+ 0 48 34.6	0.813	+2.91 -19.3	28
(343) Ostara.										
Aug. 15	11 50 56	+3 9.88	-1 5.1	4	21 1 1.88	8.639	-23 3 1.0	0.921	+4.83 +19.3	29
(358) [1893 K].										
Mai 18	11 55 22	-0 19.94	-1 41.8	4	16 17 45.02	8.817 <sub>n</sub>	-16 32 28.7	0.901	+3.79 -10.4	30
18	13 20 21	-0 22.93	-1 30.7	4	16 17 42.03	8.936	-16 32 17.6	0.900	+3.79 -10.4	30
(384) Burdigala.										
Mai 18	12 22 15	-0 32.28	-1 59.3	4	13 53 31.71	9.345	-10 16 53.9	0.866	+3.39 -18.5	31
(386) [1894 AY].										
März 9	12 8 54	-1 19.63	-2 48.7	4	11 31 41.47	8.355 <sub>n</sub>	+ 5 6 20.2	0.779	+3.04 -18.7	32
(403) [1895 BX].										
März 3	13 44 34	-2 44.17	+2 44.8	4	10 49 24.40	9.231	- 8 15 19.7	0.861	+2.86 -17.4	33
9	10 39 16	+0 43.46	-3 4.0	4	10 44 41.27	8.983 <sub>n</sub>	- 7 41 28.9	0.862	+2.87 -18.0	34
(407) [1895 CC].										
Sept. 5	11 32 19	+1 23.56	-3 1.7	4	23 39 8.38	9.065	+ 9 16 58.6	0.746	+4.40 +27.6	35
7	9 55 1	-0 7.61	-4 46.2	4	23 37 30.11	9.398 <sub>n</sub>	+ 9 12 55.7	0.759	+4.42 +27.9	36
(409) [1895 CE].										
Dec. 7	13 6 47	+1 4.53	-3 28.2	4	3 18 59.32	9.457	+18 56 14.8	0.683	+5.62 +19.9	37

1899	M. Z. Wien	$\Delta\alpha$	$\Delta\delta$	Vgl.	$\alpha$ app.	$\log p. A$	$\delta$ app.	$\log p. A$	Red. ad l. app.	*
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## (412) Elisabetha.

Oct. 27	10 <sup>h</sup> 45 <sup>m</sup> 36 <sup>s</sup>	+3 <sup>m</sup> 45.08	-3' 0.0	4	3 <sup>h</sup> 36 <sup>m</sup> 20.83	9.371 <sub>n</sub>	+ 0° 42' 38.4	0.813	+4.75 +19.6	38
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## (441) [1898 ED].

März 3	10 9 10	+1 40.37	+3 59.6	4	4 43 30.04	9.569	+19 12 19.5	0.726	+1.81 + 3.7	39
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## (442) [1899 EE].

Febr. 18	12 18 49	+3 3.87	-0 33.9	4	9 51 42.51	8.591	+15 25 38.1	0.678	+2.98 -14.4	40
28	8 42 58	+2 3.17	-0 3.5	4	9 42 43.54	9.388 <sub>n</sub>	+16 41 52.4	0.692	+3.03 -13.9	41
März 7	11 12 6	+0 20.29	-3 52.7	6	9 37 7.73	8.816	+17 28 24.5	0.655	+3.03 -13.3	42
13	11 46 1	-0 36.30	-1 17.7	4	9 33 18.30	9.235	+18 0 50.6	0.662	+3.00 -12.9	43
16	9 55 6	+0 13.31	-3 5.7	4	9 31 49.39	7.871	+18 13 58.0	0.643	+2.98 -12.6	44
30	9 58 24	-0 26.39	+1 38.6	4	9 28 25.24	9.048	+18 52 43.5	0.641	+2.84 -11.5	45
Mai 10	10 18 12	-1 10.73	+2 8.2	5	9 51 34.53	9.529	+17 27 3.8	0.720	+2.57 -11.8	46

## (443) [1899 EF].

März 3	12 3 7	+1 18.44	-2 40.9	4	10 4 52.86	8.883	+ 9 5 11.1	0.745	+2.95 -15.7	47
12	10 34 38	-0 23.30	-1 37.9	6	9 57 45.10	7.520 <sub>n</sub>	+10 11 50.0	0.734	+2.94 -15.4	48
17	13 12 23	-1 53.53	+3 9.5	4	9 54 32.92	9.451	+10 45 6.2	0.754	+2.92 -15.2	49
31	9 50 23	-3 41.33	-3 4.1	4	9 49 57.04	8.805	+11 51 46.7	0.718	+2.82 -14.4	50

(224) Oceana = 1899 EG. (März 7 Gr. 11<sup>m</sup>o).

März 7	12 29 40	-0 54.76	-1 49.2	4	11 33 27.27	7.528 <sub>n</sub>	+ 3 22 2.3	0.793	+2.91 -18.6	51
12	12 43 18	-0 24.83	+2 50.8	4	11 28 49.93	8.791	+ 3 39 48.6	0.787	+2.95 -18.7	52
16	11 2 26	-2 59.56	-1 11.6	4	11 25 11.84	8.855 <sub>n</sub>	+ 3 53 44.0	0.790	+2.97 -18.8	53
31	10 54 47	-5 27.18	-1 47.2	4	11 12 27.15	8.503	+ 4 39 22.5	0.783	+2.97 -18.6	54
Mai 17	10 42 0	-1 26.04	-0 39.4	4	11 3 18.85	9.482	+ 4 14 34.8	0.798	+2.76 -16.6	55

(60) Echo = 1899 EJ. (März 7 Gr. 10<sup>m</sup>o).

März 7	12 9 31	-2 57.25	-0 32.2	4	11 16 45.57	7.973 <sub>n</sub>	+ 1 47 12.2	0.805	+29.1 -18.3	56
12	13 9 3	-1 23.61	-2 25.6	4	11 12 16.74	9.121	+ 2 27 20.2	0.801	+29.8 -18.5	57
19	10 48 54	-1 56.34	+2 6.2	5	11 6 30.89	8.694 <sub>n</sub>	+ 3 20 54.1	0.793	+29.6 -18.5	58
31	11 25 21	+1 25.76	-2 9.5	4	10 58 31.36	9.031	+ 4 42 1.9	0.784	+29.3 -18.1	59

## 1899 ER. (Forts. und Berichtigung zu Nr. 3601).

Oct. 30	9 40 7	-2 6.05	-0 17.4	4	1 32 42.65	9.115 <sub>n</sub>	+ 5 14 55.5	0.780	+4.83 +27.6	60
Nov. 1	9 34 15	-3 51.49	-0 41.1	4	1 30 57.22	9.096 <sub>n</sub>	+ 5 14 31.7	0.780	+4.84 +27.5	60
3	10 54 31	-2 38.44	+6 58.6	4	1 29 12.34	8.468	+ 5 14 29.4	0.778	+4.83 +27.6	61
5	9 51 38	-0 12.43	+2 42.4	4	1 27 36.13	8.798 <sub>n</sub>	+ 5 14 51.8	0.779	+4.82 +27.7	62
6	8 50 33	-0 57.73	+3 0.8	4	1 26 50.83	9.194 <sub>n</sub>	+ 5 15 10.2	0.781	+4.82 +27.7	62
9	9 36 2	-3 14.85	+4 43.3	4	1 24 33.72	8.759 <sub>n</sub>	+ 5 16 52.6	0.779	+4.83 +27.6	62
11	12 6 14	+0 39.95	-3 12.1	4	1 23 5.43	9.316	+ 5 18 38.4	0.784	+4.81 +27.8	63
Dec. 7	10 22 26	-2 13.72	-3 8.1	4	1 13 53.21	9.341	+ 6 23 47.1	0.777	+4.68 +27.2	64

## 1899 ES. (Forts. zu Nr. 3611).

Dec. 7	9 55 55	+0 11.37	-4 15.1	4	1 22 41.29	9.218	+ 4 46 9.1	0.786	+4.69 +26.4	65
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## 1899 EU. (Forts. zu Nr. 3611).

Dec. 7	9 33 46	-2 54.41	+0 3.1	4	1 2 36.83	9.208	+ 3 11 54.8	0.796	+4.58 +26.7	66
23	6 22 14	-2 53.72	+3 29.3	4	1 6 41.67	8.795 <sub>n</sub>	+ 4 7 38.6	0.787	+4.47 +25.7	67

## 1899 EV.

Nov. 3	10 9 11	+3 24.44	-1 43.8	4	1 53 36.09	8.975 <sub>n</sub>	+17 41 8.3	0.654	+5.11 +27.5	68
6	9 44 43	+0 46.71	-6 25.6	4	1 50 58.37	9.050 <sub>n</sub>	+17 36 26.6	0.657	+5.12 +27.6	68
9	12 35 50	-0 16.42	+3 52.2	4	1 48 20.25	9.325	+17 31 23.5	0.675	+5.12 +27.8	69

## II. Cometen.

1899	M. Z. Wien	$\Delta\alpha$	$\Delta\delta$	Vgl.	$\alpha$ app.	$\log p. \Delta$	$\delta$ app.	$\log p. \Delta$	Red. ad l. app.	*
Comet 1898 VIII.										
März 14	9 <sup>h</sup> 11 <sup>m</sup> 52 <sup>s</sup>	+0 <sup>m</sup> 8 <sup>s</sup> 36	—0' 7".2	5	10 <sup>h</sup> 49 <sup>m</sup> 44 <sup>s</sup> 08	9.430 <sub>n</sub>	+38° 25' 12".6	0.310	+3 <sup>s</sup> 50 — 14".2	70
16	12 57 2	—0 46.45	—0 34.5	4	10 48 49.27	9.364	+38 24 45.7	0.276	+3.50 — 13.8	70

## Comet 1899 I.

Juli 1	10 18 25	—2 35.48	—2 21.8	4	14 22 9.4	9.420	+20 23	0.659	+3.02 — 5.8	71
10	9 53 56	—1 18.87	—4 24.1	4	14 14 37.07	9.447	+15 16 41.3	0.717	+2.93 — 6.7	72

Juli 10. Comet gleich Stern 12<sup>m</sup>; 1' Durchmesser mit gut beobachtbarer Verdichtung. Die Beobachtung ist in RA. unsicher, weil das Fernrohr nach dem Klemmen sich noch etwas zu bewegen schien.

Comet Tempel<sub>2</sub> 1899 IV.

Juli 10	10 6 13	—1 25.01	+1 50.5	4	20 27 22.65	9.468 <sub>n</sub>	—12 57 18.3	0.864	+4.22 +15.2	73
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Scharfer sternartiger Kern 11<sup>m</sup>, welcher excentrisch in der Coma steht.

## Comet 1899 V.

Oct. 9	7 28 14	—0 2.44	—0 37.9	4	16 42 27.00	9.531	—2 8 10.6	0.824	+2.67 + 0.4	74
25	6 40 45	—1 40.45	—1 42.6	4	17 6 9.86	9.522	+2 26 21.0	0.808	+2.47 + 3.1	75
Nov. 1	6 14 48	+1 37.33	—2 12.6	4	17 16 53.98	9.511	+4 19 45.9	0.799	+2.38 + 3.7	76
5	6 22 59	+0 44.59	—0 25.2	4	17 23 9	9.533	+5 24	0.796	+2.34 + 4.3	77

Nov. 1. Sehr schwach, centrale Verdichtung.

## III. Nebel.

Nr.	1899	$\Delta\alpha$	$\Delta\delta$	Vgl.	$\alpha$ 1899.0	$\delta$ 1899.0	*
1	Nov. 2	—2 <sup>m</sup> 10 <sup>s</sup> 9.4	—3' 8".8	4	1 <sup>h</sup> 50 <sup>m</sup> 38 <sup>s</sup> 83	+17° 8' 47".6	78
2	9	+1 20.40	—5 12.1	2	1 53 20.96	+7 31 15.5	3
3	Sept. 1	+1 7.37	—4 34.1	4	3 3 38.65	+40 22 46.6	79
4	März 13	+1 33.56	—2 44.1	3	10 2 3.06	+12 46 3.6	80

Nr. 1. Sehr schwach. — Nr. 2. NGC. 766. — Nr. 3. J. C. 292; Nebel klein, 20", leicht erkennbar. — Nr. 4. Schwach, rund,  $\frac{3}{4}$ ' im Durchmesser; centrale Verdichtung.

## Mittlere Oerter der Vergleichsterne.

*	$\alpha$ 1899.0	$\delta$ 1899.0	Autorität	*	$\alpha$ 1899.0	$\delta$ 1899.0	Autorität
1	12 <sup>h</sup> 26 <sup>m</sup> 5 <sup>s</sup> 94	+ 1° 40' 57".8	AG. Albany 4508	17	3 <sup>h</sup> 27 <sup>m</sup> 13 <sup>s</sup> 60	+15° 12' 19".1	AG. Berlin A. 944
2	1 51 2.59	+ 8 1 4.5	AG. Leipzig 737	18	20 46 21.90	—16 14 54.8	AWe. 16456
3	1 52 0.56	+ 7 36 27.5	AG. Leipzig 744	19	3 26 39.80	+11 12 2.5	Pulk. VIII 320
4	1 17 48.87	+ 8 39 39.5	AG. Leipzig 494	20	2 40 17.90	+ 6 8 5.1	AG. Leipzig 1014
5	12 21 7.00	+ 1 4 28.2	AG. Albany 4486	21	12 59 17.27	+18 10 48.1	BD. +18°2686. Anchl.
6	12 19 8.62	+ 1 17 20.7	AG. Albany 4476			an 22	
7	12 12 59.57	+ 2 1 26.2	AG. Albany 4460	22	13 2 52.84	+18 9 22.1	AG. Berlin A. 4834
8	12 4 15.48	+ 3 0 7.0	AG. Albany 4438	23	0 55 37.34	+ 4 17 23.3	AG. Albany 257
9	12 28 26.37	+18 33 4.1	Anschluss an	24	0 48 1.83	+ 4 12 21.4	A. N. 116.238
	12 24 48.61	+18 28 9.6	AG. Berlin A. 4692	25	20 32 5.55	—17 27 55.7	Cord. GC. 28267
10	23 20 23.53	— 9 6 48.5	AG. Ottakring	26	20 28 29.60	—17 36 38.8	AWe. 16223
11	23 15 57.31	— 9 13 39.7	AG. Ottakring	27	12 32 1.15	+ 0 32 8.3	M <sub>1</sub> 8281
12	3 29 17.86	+ 8 48 59.8	AG. Leipzig 313	28	12 29 23.52	+ 0 44 47.5	Schj. 4524
13	22 12 25.52	—20 59 47.5	AWe. 17319	29	20 57 47.17	—23 2 15.2	Cord. GC. 28854
14	14 16 55.47	— 4 20 17.2	M <sub>2</sub> 5270	30	16 18 1.17	—16 30 36.5	A. N. 95.295
15	15 48 4.31	—16 25 57.5	$\theta$ Librae. Rad <sub>3</sub> 4100	31	13 54 0.60	—10 14 36.1	AG. Ottakring
16	13 48 34.20	— 8 20 31.8	AG. Ottakring	32	11 32 58.06	+ 5 9 27.6	AG. Leipzig 5865

*	$\alpha$ 1899.0	$\delta$ 1899.0	Autorität	*	$\alpha$ 1899.0	$\delta$ 1899.0	Autorität
33	10 <sup>h</sup> 52 <sup>m</sup> 55 <sup>s</sup> 71	— 8° 17' 47" 1	AG. Ottakring	64	1 <sup>h</sup> 16 <sup>m</sup> 25 <sup>s</sup> 25	+ 6° 26' 28" 0	AG. Leipzig 483
34	10 43 54.94	— 7 38 6.9	AG. Ottakring	65	1 22 25.23	+ 4 49 57.8	AG. Albany 404
35	23 37 40.42	+ 9 19 32.7	AG. Leipzig 11742	66	1 5 26.66	+ 3 11 25.0	AG. Albany 319
36	23 37 33.30	+ 9 17 14.0	AG. Leipzig 11741	67	1 9 30.92	+ 4 3 43.6	AG. Albany 338
37	3 17 49.17	+18 59 23.1	Anschluss an	68	1 50 6.54	+17 42 24.6	AG. Berlin A. 548
	3 18 54.01	+19 2 36.8	AG. Berlin A. 912	69	1 48 31.55	+17 27 3.5	Wien. Anschluss an
38	3 33 12.00	+ 0 45 18.8	BB. VI 629		1 48 52.42	+17 23 56.6	BB. VI 282
39	4 41 47.86	+19 8 16.2	AG. Berlin A. 1303	70	10 49 32.22	+38 25 34.0	10 <sup>m</sup> . Wien. Anschluss an
40	9 48 35.66	+15 26 26.4	N. Wien. Zon.		10 42 40.97	+38 28 7.8	AG. Lund
41	9 40 37.34	+16 42 9.8	AG. Berlin A. 3921	71	14 24 42	+20 26	—
42	9 36 44.41	+17 32 30.5	AG. Berlin A. 3902	72	14 15 53.01	+15 21 12.1	AG. Berlin A. 5189
43	9 33 51.60	+18 2 21.2	AG. Berlin A. 3886	73	20 28 43.44	—12 59 24.0	M <sub>1</sub> 25025
44	9 31 33.10	+18 17 16.3	AG. Berlin A. 3870	74	16 42 26.77	— 2 7 33.1	A. N. 150388
45	9 28 48.79	+18 51 16.4	AG. Berlin A. 3853	75	17 7 47.84	+ 2 28 0.5	AG. Albany 5691
46	9 52 42.69	+17 25 7.4	N. Wien. Zon.	76	17 15 14.27	+ 4 21 54.8	AG. Albany 5735
47	10 3 31.47	+ 9 8 7.7	AG. Leipz. 5378 (W <sub>1</sub> 1311 — 1')	77	17 22 22	+ 5 25	BD. +5°3396
48	9 58 5.46	+10 13 43.3	Par. 12353, Kf. 340	78	1 52 49.78	+17 11 56.6	BB. VI 226
49	9 56 23.53	+10 42 11.9	AG. Leipzig 3922	79	3 2 31.27	+40 27 20.6	AG. Bonn 2642
50	9 53 35.55	+11 55 5.2	AG. Leipzig 3912	80	10 0 29.50	+12 48 47.6	Anschluss an
51	11 34 19.12	+ 3 24 10.1	AG. Albany 4325		9 56 30.72	+12 43 55.2	Par. 12311
52	11 29 11.81	+ 3 37 16.5	AG. Albany 4307	Ferner wurden noch folgende Sterne durch Anschluss bestimmt:			
53	11 28 8.43	+ 3 55 14.4	AG. Albany 4301	81	1 13 50.61	+ 6 22 22.5	12 <sup>m</sup> . Anschluss an 64
54	11 17 51.36	+ 4 41 28.3	AG. Albany 4258	82	1 29 25.85	+ 6 48 59.7	10 <sup>m</sup> . Anschluss an
55	11 4 42.13	+ 4 15 30.8	AG. Albany 4210		1 29 36.50	+ 6 52 24.8	AG. Leipzig 584
56	11 19 39.91	+ 1 48 2.7	AG. Albany 4267	83	3 24 28.67	+15 12 51.7	10 <sup>m</sup> . Anschluss an
57	11 13 37.37	+ 2 30 4.3	de Ball 185		3 27 13.60	+15 12 19.1	AG. Berlin A. 944
58	11 8 24.27	+ 3 19 6.4	AG. Albany 4222	84	15 49 48.78	—10 48 16.3	Anschluss an
59	10 57 2.67	+ 4 44 29.5	M <sub>1</sub> 6141		15 48 40.93	—10 47 25.6	Rad <sub>3</sub> 4106
60	1 34 43.87	+ 5 14 45.3	AG. Leipzig 622, AG. Albany 466	85	15 48 33.36	—10 32 46.0	Anschluss an
61	1 31 45.95	+ 5 7 3.2	AG. Leipzig 600, AG. Albany 453		15 51 35.72	—10 35 38.9	Par. 19865
62	1 27 43.74	+ 5 11 41.7	Anschluss an 61	86	17 18 46.27	+36 34 55.8	BD. +36°2857. Anschl. an
63	1 22 20.67	+ 5 21 22.7	A. N. 77.264		17 17 27.47	+36 35 35.2	AG. Lund

Wien, 1900 Jan. 15.

Dr. J. Palisa.

## Observations de comètes et de planètes

faites à l'observatoire d'Alger avec l'Equatorial coudé de 0<sup>m</sup>318 par MM. Rambaud et Sy.

1899	T.m. Alger	$\Delta\alpha$	$\Delta\delta$	Cp.	Obs.	$\alpha$ app.	$\log p.\Delta$	$\delta$ app.	$\log p.\Delta$	Red. ad l. app.	*	
Comète Tempel <sub>2</sub> 1899 IV.												
Juill.	1	9 <sup>h</sup> 15 <sup>m</sup> 52 <sup>s</sup>	— 1 <sup>m</sup> 9 <sup>s</sup> 55	— 6' 10" 6	15.10	R	20 <sup>h</sup> 16 <sup>m</sup> 1 <sup>s</sup> 38	9.689 <sub>n</sub>	— 9° 14' 48" 1	0.754	+4.501 +12" 9	1
	1	9 35 32	— 1 8.71	— 6 28.5	12.10	S	20 16 2.22	9.620 <sub>n</sub>	— 9 15 6.0	0.761	+4.01 +12.9	1
	4	11 33 13	+1 6.83	— 8 17.4	12.12	S	20 19 57.93	9.367 <sub>n</sub>	—10 24 12.0	0.800	+4.08 +13.5	2
	7	9 39 24	+0 22.32	— 3 9.1	20.20	S	20 23 38.79	9.600 <sub>n</sub>	—11 36 19.8	0.776	+4.15 +14.3	3
(20) Massalia.												
Juill.	8	9 31 58	+0 14.19	— 1 45.4	20.10	R	12 52 40.53	9.416 <sub>n</sub>	— 5 52 31.6	0.767	+3.11 —19.8	4
	10	8 34 13	—1 32.63	+10 7.5	16.12	R	12 50 53.72	9.529 <sub>n</sub>	— 5 40 38.8	0.759	+3.12 —19.9	4
(241) Germania.												
Juin	19	9 45 39	+1 29.61	— 6 0.0	15.10	R	17 24 23.65	9.366 <sub>n</sub>	—24 21 9.5	0.870	+4.45 — 3.4	5
	19	11 7 46	+1 26.61	— 5 52.2	15.10	S	17 24 20.65	8.749 <sub>n</sub>	—24 21 1.7	0.887	+4.45 — 3.4	5