

ASTRONOMISCHE NACHRICHTEN.

N^o 3820.

Band 160.

4.

Beobachtungen von Planeten und Vergleichsternen

am 27-zöll. Refraktor der k. k. Wiener Universitätssternwarte im Jahre 1901 von Dr. *J. Palisa*.

1901	M. Z. Wien	$\Delta\alpha$	$\Delta\delta$	Vgl.	Gr.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Red. ad l. app.	*
(286) Iclea.											
Okt. 8	12 ^h 24 ^m 41 ^s	-4 ^m 22 ^s 58	-5' 50 ^s 7	4	—	1 ^h 9 ^m 3 ^s 14	8.607 _n	-12° 8' 21 ^s 5	0.882	+4 ^s 19 +25 ^s 3	1
11	10 17 10	-1 45.77	-2 26.3	4	—	1 7 3.63	9.088 _n	-12 29 30.1	0.881	+4.21 +24.9	2
(291) Alice.											
Sept. 17	12 10 53	-3 11.18	-4 9.1	4	—	23 51 39.31	7.831	- 1 48 45.9	0.828	+4.20 +27.6	3
(321) Florentina.											
Nov. 2	12 32 48	+2 23.04	-3 6.7	4	—	3 35 33.51	8.481 _n	+20 1 12.9	0.617	+5.09 +11.9	4
(385) Ilmatar.											
Oct. 5	9 32 5	-0 8.39	+0 52.9	4	—	0 15 44.68	9.427 _n	+10 27 1.9	0.749	+4.39 +27.8	5
(407) Arachne.											
Jan. 18	12 14 7	+2 47.35	-2 5.1	4	11.5	8 7 54.66	7.759 _n	+19 17 7.7	0.627	+2.63 -12.4	6
22	11 55 1	-0 37.13	-1 44.6	5	—	8 3 43.80	7.633 _n	+19 18 20.9	0.626	+2.67 -12.4	7
(445) Edna.											
Febr 15	11 20 50	+0 36.73	+2 57.9	4	—	7 42 24.61	9.140	+15 48 41.3	0.680	+2.65 -12.1	8
(446) Aeternitas.											
Jan. 23	8 53 5	+5 15.11	+3 1.1	4	—	7 54 22.82	9.518 _n	+36 1 25.3	0.440	+3.04 -10.8	9
(447) Valentine.											
Jan. 18	11 3 43	+0 37.12	-0 21.1	5	—	8 14 15.73	9.171	+25 16 32.2	0.547	+2.71 -12.8	10
(464) [1901 FV].											
Jan. 18	12 28 2	+2 22.35	+3 55.3	4	12.5	8 3 6.95	8.681	+24 29 37.0	0.547	+2.71 -12.4	11
23	11 36 50	-3 51.13	-3 57.3	4	—	7 58 21.16	8.328 _n	+24 55 56.7	0.538	+2.77 -12.2	12
Febr. 14	10 7 6	-3 19.27	-3 24.4	3	—	7 40 30.78	7.802	+26 23 19.3	0.511	+2.83 -10.2	13
15	7 23 12	-3 51.21	-1 0.3	4	—	7 39 58.84	9.441 _n	+26 25 43.5	0.582	+2.83 -10.1	13
(465) [1901 FW].											
Jan. 23	12 39 3	+3 56.63	+6 51.2	4	—	8 30 37.75	8.532	+19 2 58.0	0.631	+2.65 -13.4	14
Febr. 15	12 19 57	-4 12.38	+2 12.0	4	—	8 10 55.40	9.285	+19 37 46.1	0.644	+2.76 -13.0	15
21	12 7 26	-0 24.34	+5 4.3	5	—	8 6 52.13	9.334	+19 32 36.8	0.652	+2.72 -12.5	16
März 17	10 54 24	-0 22.63	-4 19.9	4	—	7 58 51.97	9.415	+19 39 45.9	0.664	+2.43 -11.3	17
(466) [1901 FX].											
Jan. 22	12 48 15	+4 23.43	-0 22.8	4	12.0	7 59 50.26	8.987	+16 29 45.8	0.667	+2.64 -12.1	18
23	10 36 22	+3 33.06	+1 7.7	4	—	7 58 59.91	9.105 _n	+16 27 54.5	0.671	+2.65 -12.1	19
Febr. 15	11 8 54	-0 51.71	-2 24.4	4	—	7 40 26.23	9.084	+15 41 59.6	0.679	+2.62 -12.1	20

1901	M. Z. Wien	$\Delta\alpha$	$\Delta\delta$	Vgl.	Gr.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Red. ad l. app.	•
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(467) [1901 FY].

Jan. 23	11 ^h 57 ^m 22 ^s	-0 ^m 5 ^s 52	-2' 47".8	4	14.0	7 ^h 55 ^m 8 ^s 94	8.373	+25° 2' 10".1	0.538	+2 ^s 78	-11".8	21
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(468) [1901 FZ].

Jan. 23	13 6 47	-1 13.97	-0 57.7	4	13.8	8 38 40.03	8.842	+19 9 26.0	0.631	+2.63	-14.0	22
Febr. 22	11 8 4	-2 56.61	-3 24.6	4	-	8 16 11.21	9.037	+20 24 45.8	0.619	+2.76	-12.9	23

(473) [1901 GC].

Febr. 22	11 34 49	-4 40.28	-0 33.0	4	13.8	10 22 58.36	8.836 _n	+ 9 48 7.4	0.737	+2.69	-17.8	24
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(474) [1901 GD].

Febr. 21	13 52 5	-5 18.29	-3 45.5	4	14.0	10 28 29.10	9.173	+ 7 48 19.8	0.759	+2.67	-17.7	25
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1901 GE.

Febr. 26	11 37 20	-0 39.94	+3 56.6	4	-	9 28 28.07	8.775	+18 28 11.4	0.639	+2.78	-15.9	26
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Mittlere Örter der Vergleichsterne.

* 1901.0	δ 1901.0	Autorität	* 1901.0	δ 1901.0	Autorität		
1	1 ^h 13 ^m 21 ^s 53	-12° 2' 56".1	W ₁ 1 ^h 159	15	8 ^h 15 ^m 5 ^s 02	+19° 35' 47".1	AG. Berlin 3283
2	1 8 45.19	-12 27 28.7	W ₁ 1 ^h 83	16	8 7 13.75	+19 37 45.0	10 ^m 5. Anschluß an a
3	23 54 46.29	- 1 45 4.4	AG. Nicol. 5929	a	8 5 37.87	+19 33 47.0	AG. Berlin 3227
4	3 33 5.38	+20 4 7.7	AG. Berlin 977	17	7 59 12.17	+19 44 17.1	BD. +19° 19' 14. Anschl. an b
5	0 15 48.68	+10 25 41.2	AG. Leipzig 87	b	7 54 29.30	+19 47 17.0	AG. Berlin 3145
6	8 5 4.68	+19 19 25.2	AG. Berlin 3221	18	7 55 24.19	+16 30 20.7	AG. Berlin 3155
7	8 4 18.26	+19 20 17.9	AG. Berlin 3215	19	7 55 24.20	+16 26 58.9	AG. Berlin 3156
8	7 41 45.23	+15 45 55.5	AG. Berlin 3028	20	7 41 15.32	+15 44 36.1	AG. Berlin 3021
9	7 49 4.67	+35 58 35.0	AG. Lund 4033	21	7 55 11.68	+25 5 9.7	AG. Cambr. 4309
10	8 13 35.90	+25 17 6.1	AG. Cambr. 4477	22	8 39 51.37	+19 10 37.7	AG. Berlin 2510
11	8 0 41.89	+24 25 54.1	AG. Berlin 3260	23	8 19 5.06	+20 28 23.3	AG. Berlin 3372
12	8 2 9.62	+25 0 6.2	AG. Cambr. 4373	24	10 27 35.95	+ 9 48 58.2	Berl. Jahrb.
13	7 43 47.22	+26 26 53.9	AG. Cambr. 4196	25	10 33 44.72	+ 7 52 23.0	AG. Leipzig 5540
14	8 26 38.47	+18 56 20.2	AG. Berlin 3384	26	9 29 5.23	+18 24 30.7	AG. Berlin 3856

Außerdem wurden noch folgende Sterne durch Anschluß bestimmt:

27	0 ^h 3 ^m 0 ^s 55	+ 7° 32' 57".2	BD. +7° 3' an c	37	2 ^h 30 ^m 39 ^s 89	+12° 35' 3".3	BD. +12° 35' 6" an n
c	0 4 3.35	+ 7 32 50.4	AG. Leipzig 15	n	2 30 49.54	+12 30 40.3	AG. Leipzig 755
28	0 14 18.95	+ 4 23 49.6	BD. +4° 31' an d	38	4 51 9.95	+29 30 55.3	10 ^m an o
d	0 12 46.64	+ 4 24 15.4	AG. Albany 46	39	4 51 17.11	+29 32 52.6	BD. +29° 7' 67" an o
29	0 15 21.40	+ 2 35 50.3	11 ^m an e	40	4 55 28.99	+29 30 25.7	BD. +29° 7' 87" an o
e	0 14 14.50	+ 2 31 7.9	AG. Albany 50	o	4 58 9.89	+29 29 24.6	AG. Cambr. 2275
30	0 16 25.83	+ 9 40 57.4	BD. +9° 32' an f	41	5 13 24.66	+28 22 52.4	10 ^m an p
f	0 17 51.33	+ 9 41 33.0	AG. Leipzig 101	p	5 16 26.34	+28 21 52.5	AG. Cambr. 2426
31	0 20 14.22	+ 2 15 21.5	10 ^m 5 an g	42	5 36 24.53	+18 1 50.8	BD. +17° 9' 84" an q
g	0 18 33.55	+ 2 11 39.1	AG. Albany 67	q	5 37 31.17	+18 5 55.7	AG. Berlin 1669
32	0 27 7.48	- 1 38 55.5	10 ^m an h	43	17 55 7.28	+23 10 20.2	BD. +23° 32' 38" an r
h	0 24 50.23	- 1 39 46.2	AG. Nic. 72	r	17 55 33.89	+23 9 5.0	AG. Berlin 6244
33	0 44 48.76	+ 3 7 14.0	BD. +2° 11' 11" an i	44	17 57 32.58	+23 4 5.4	BD. +23° 32' 43" an s. S. Note
i	0 44 20.94	+ 3 11 6.2	AG. Albany 209	5	17 57 36.50	+23 2 10.6	AG. Berlin 6261
34	1 6 18.88	- 4 23 2.4	BD. -4° 15' 0" an k	45	18 44 58.21	+19 55 22.3	BD. +19° 38' 01" an t
k	1 9 59.99	- 4 18 19.2	W ₁ 1 ^h 107	t	18 41 14.00	+19 51 57.8	AG. Berlin 6995
35	1 57 26.05	+11 12 1.4	BD. +10° 27' 27" an l	46	18 45 30.26	+20 14 2.7	BD. +20° 39' 49" an u
l	1 57 59.50	+11 10 37.1	AG. Leipzig 613	u	18 42 32.63	+20 14 16.3	AG. Berlin 6652
36	2 26 2.74	+ 4 0 13.6	10 ^m an m	47	19 12 6.06	+15 23 0.2	BD. +15° 37' 51" an v
m	2 24 33.46	+ 4 0 28.5	AG. Albany 694	v	19 8 52.49	+15 20 24.4	AG. Berlin 7307

*	α 1901.0	δ 1901.0	Autorität	*	α 1901.0	δ 1901.0	Autorität
48	19 ^h 25 ^m 22 ^s 98	+27° 51' 42".1	BD. +27°3406 an <i>w</i>	C	21 ^h 44 ^m 51 ^s 48	+10° 15' 2".3	AG. Leipzig 8683
<i>w</i>	19 23 18.74	+27 49 14.6	AG. Cambr. 9995	57	22 19 41.81	+18 24 6.3	BD. +18°4983 an <i>D</i>
49	20 49 54.23	+15 16 12.2	9 ^m 2 an <i>x</i>	58	22 23 8.36	+18 21 45.1	BD. +18°4993 an <i>D</i>
<i>x</i>	20 54 38.13	+15 11 17.5	mehrere Kataloge	<i>D</i>	22 19 58.94	+18 21 40.4	AG. Berlin 9155
50	21 1 46.54	+10 52 56.5	BD. +10°4463 an <i>y</i>	59	23 8 52.51	+15 51 14.1	11 ^m 5 an <i>E</i>
51	21 2 47.62	+10 54 14.1	Sj. 8508 an <i>y</i>	<i>E</i>	23 9 54.13	+15 49 57.6	AG. Berlin 9498
<i>y</i>	20 58 1.41	+10 53 21.1	AG. Leipzig 8298	60	23 31 49.89	- 7 15 36.6	BD. -7°6058 an <i>F</i>
52	21 13 35.32	+17 47 8.7	BD. +17°4545 an <i>z</i>	<i>F</i>	23 28 14.43	- 7 18 17.6	AG. Ottakr. S. Note
<i>z</i>	21 10 48.07	+17 44 54.2	AG. Berlin 8662	61	23 35 2.30	- 5 53 5.0	BD. -6°6257 an <i>G</i>
53	21 26 0.34	+17 4 53.6	BD. +16°4542 an <i>A</i>	<i>G</i>	23 42 13.43	- 5 53 54.6	AG. Ottakr.
<i>A</i>	21 26 19.45	+17 1 9.3	AG. Berlin 8774	62	23 40 40.38	+ 4.16 36.8	BD. +4°5047 an <i>H</i>
54	21 43 55.87	+16 52 53.3	11 ^m an <i>B</i>	<i>H</i>	23 44 30.17	+ 4 20 33.5	AG. Albany 8168
<i>B</i>	21 45 25.87	+16 49 33.2	AG. Berlin 8907	63	23 58 55.38	+ 5 52 49.2	10 ^m 5 an <i>I</i>
55	21 45 48.90	+10 15 8.5	BD. +10°4641 an <i>C</i>	<i>I</i>	23 59 46.22	+ 5 51 56.7	AG. Leipzig 11868
56	21 50 7.06	+10 10 34.4	10 ^m an <i>C</i>				

Der Stern 44 = BD. +23°3243 ist 0^m5 heller als BD. +23°3245, während er in der BD. um 0^m3 schwächer angegeben ist.

Der Stern *F* = BD. -7°6047 wurde Nov. 4 10^m0 geschätzt, also um eine Größenklasse schwächer als ihn BD. angibt.

Wien, August 1902.

J. Palisa.

Observations de planètes

faites à l'observatoire de Kasan à l'équatorial Merz de 0^m244, par M. V. Baranof.

(433) Eros.

I. Ascensions droites par différences de passages, déclinaisons par mesures micrométriques.

Date	T. m. Kasan	$\Delta\alpha$	T. m. Kasan	$\Delta\delta$	Comp.	Etoiles de comp. (1900)
1900 Oct. 15	9 ^h 4 ^m 28 ^s	+0 ^m 37 ^s .44	9 ^h 4 ^m 28 ^s	+0' 40".0	25.8	AG. Bonn 2343
16	13 47 35	-1 3.92	13 47 35	-1 37.6	29.8	BD. +50°627
18	7 21 12	+1 44.40	7 21 12	+1 13.5	20.8	BD. +50°608
22	8 6 2	+7 5.35	8 6 2	-2 42.0	30.6	BD. +51°587
22	"	+5 35.42	"	-2 57.8	30.6	BD. +51°588
22	"	+1 43.36	"	+2 16.9	30.6	BD. +51°600
22	9 57 42	+1 36.82	9 57 42	+3 32.2	23.4	BD. +51°600
22	"	-3 12.33	"	+6 57.4	23.4	BD. +51°615
22	16 10 25	+5 6.30	16 44 56	+2 36.1	15.3	BD. +51°588
22	16 16 51	-3 48.43	16 39 27	-0 38.8	15.2	An. (9.5) 2 ^h 35 ^m 22 ^s +51° 55'.2
24	8 13 17	+1 57.32	8 13 17	-4 22.5	29.6	BD. +52°595
24	"	-1 38.44	"	-3 35.7	29.6	BD. +52°602
24	16 30 47	+1 24.66	16 30 47	+0 28.8	20.4	BD. +52°595
24	"	-2 10.97	"	+1 15.5	20.4	BD. +52°602
25	9 12 58	+4 47.48	-	-	10.-	BD. +52°587
26	7 1 23	+2 15.22	-	-	15.-	BD. +52°590
1901 Janv. 10	11 32 9	+1 33.32	11 30 52	+0 7.7	33.10	BD. +33°454
15	10 54 34	-0 58.58	10 53 38	+1 47.1	40.8	BD. +31°493
16	11 17 38	+2 52.18	11 17 38	-0 39.9	40.16	BD. +31°490
Févr. 14	11 15 36	+1 49.90	11 15 36	+2 15.8	40.12	BD. +19°740

II. Mesures micrométriques de deux coordonnées.

1900 Oct. 24	10 35 48	-0 14.17	10 17 49	-0 59.8	10.10	An. (10.5) 2 ^h 29 ^m 15 ^s +52° 21'.3
24	15 37 43	-0 34.45	15 59 16	+2 16.8	10.10	An. (10.5) 2 29 15 +52 21.3
25	9 43 52	-0 3.00	9 42 22	-5 0.6	12.12	An. (10.5) 2 27 41 +52 38.9