

Astronomische Nachrichten.

Expedition auf der Königlichen Sternwarte bei Kiel.

Herausgeber: Prof. Dr. C. A. F. Peters.

Bd. 84.

No. 2001.

9.

Observations of the Planet Hertha (135), made at the Litchfield Observatory of Hamilton College.

The uncommonly bad weather of this spring has not permitted to make a very full series of observations upon this planet, and I am now obliged to close them on account of my departure for New-Zealand, though

the planet at the last observation appeared bright enough for following it during one lunation longer. Micrometer and power are the same as indicated in former communications.

1874.	H. C. m. T.	(135) — *		No. of Comp.	(135) Apparent		Log (p'' Δ)			
		Δα	Δδ		α	δ	in α	in δ	Comp *	
Febr. 18	14 ^h 37 ^m 49 ^s	— 45 ^s .95	— 48 ^{''} .2	12 ^r	11 ^h 19 ^m 42 ^s .85	+4 ^o 24' 54 ^{''} .4	0.321	0.746	a	
24	13 24 45	— 29.69	— 46.9	10	14 36.47	4 53 3.6	9.932	0.740	b	
27	12 49 20	—1 24.17	+ 41.4	2	11 54.76	5 7 55.2	9.404	0.737	c	
28	11 57 22	+1 50.88	+2 48.2	10	11 1.00	5 12 48.7	0.039 _n	0.737	d	
March 15	10 4 51	— 48.96	+ 51.3	10	10 57 2.48	6 29 5.8	0.342 _n	0.727	e	
20	10 20 20	+3 5.17	+3 23.6	8	52 35.40	6 54 44.7	0.041 _n	0.720	f	
April 21	11 13 10	+1 4.11	—3 32.2	7	35 4.61	8 19 38.9	0.625	0.722	g	
22	9 39 50	+ 55.47	—3 4.8	10	34 55.96	8 20 6.3	0.291	0.708	g	
May 2	9 10 4	+ 2.50	— 54.3	10	34 41.55	8 17 18.3	0.347	0.709	h	
3	9 1 56	+ 8.75	—1 59.0	10	34 47.79	8 16 13.7	0.324	0.709	h	
10	9 14 36	— 18.77	— 3.6	10	36 12.14	8 5 18.5	0.496	0.716	i	
The mean positions for 1874.0 have been assumed as follows:					f	10 49 28.93	6 51 26.4	56 Leonis; place from Greenwich Cat. 1864.		
a	11 ^h 20 ^m 27 ^s .74	+4 ^o 25 47 ^{''} .9	* 11 ^m ; det. by 4 fil. micr. comp. with.		g	10 33 59.42	8 23 14.4	Mean of		
	23 7.56	28 24.6	Mean of			33 59.73	23 12.6	Lam. 315, and		
	23 7.74	28 23.9	W. 11 ^h 385.			33 59.11	23 16.1	From 5 fil. micr. comp. with		
	23 7.37	28 25.2	Lam. 620.					Lam. 309 [after corr. this by +10 ^s in Lam. Cat.]		
b	11 15 5.00	4 53 56.1	(W. 11 ^h 233) Schj. 4117.		h	10 34 38.08	8 18 15.4	* 10 ^m ; det. by 4 fil. micr. comp. with.		
c	11 13 17.74	5 7 19.6	Mean of			37 24.78	18 18.5	Mean of R. 3309 and 4 comp. with R. 3307.		
	13 17.90	7 20.3	LL. 21596.							
	13 17.57	7 18.9	Lam. 561.							
d	11 9 8.91	5 10 6.1	(W. 11 ^h 120) Schj. 4087		i	10 36 30.02	8 5 24.6	* 9 ^m 5, det. by 4 comp. with.		
e	10 57 50.14	6 28 20.2	Mean of			32 53.22	5 3.8	Mean of W. 10 ^h 567 and Lam. 306.		
	57 50.15	28 18.2	W. 10 ^h 1023 [The AR. corrected by —1 ^s]							
	57 50.13	28 22.1	Lam. 461.							

Hamilton College,
Clinton, N.-Y., 1874, May 29.

C. H. F. Peters.