

Uranus.

		Mittl. Zt. Königsberg		α app.	Fäden	δ app.	Parallaxe	B.-R.	
								in α	in δ
1872	März 9	8 ^h 47 ^m 10 ^s .6				+21° 15' 36".5	+ 0".3		+27".2
	April 6	6 55 53.0	7 ^h 57 ^m 6 ^s .90	27		+21 18 15.3	+ 0.3	—12".96	+27.4
1873	Jan. 25	12 3 39.7	8 24 51.65	10				—12.34	

Neptun.

1874	Janr. 7	6 29 44.1	1 38 6.04	27	+ 8 20 9.2	+ 0.2	+0.10	—0.2
	17	5 50 32.8	1 38 13.90	13	+ 8 21 32.8	+ 0.2	—0.01	+0.7

Die Beobachtungen sind mit den Ephemeriden des Berliner Jahrbuchs verglichen, ausgenommen die Ceres-Beobachtung 1873 October 13, sowie die Vesta-Beobachtungen 1873 August 16 — 27, welche mit den Transit-Ephemeriden des Nautical-Almanacs verglichen worden sind.

Double Star Observations compared with Elements.

		μ^2 Boötis.						
Observer	Nr.	Epoch	Θ_o	Θ_e	$\Theta_o - \Theta_e$	ρ_o	ρ_e	$\rho_o - \rho_e$
Knott	91	1864.41	193° 38'	191° 22'	+2° 16'	0".50	0".56	—0".06
Wilson & Seabroke	92	1871.57	167 54	159 41	+ 8 13	0.76	0.62	+0.14
	93	72.35	163 24	156 27	+6 57	0.35	0.62	—0.27
	94	73.35	151 2	152 20	—1 18	0.52	0.63	—0.11
	95	74.44	149 6	147 54	+1 12	0.70	0.63	+0.07
	96	1873.47	150 21	151 51	—1 30	0.48	0.63	—0.15
Gledhill	97	74.24	150 38	148 42	+1 56	0.54	0.63	—0.09
Dunér	98	1869.49	171 6	168 29	+2 37	0.53	0.60	—0.07
	99	70.51	163 57	164 6	—0 9	0.59	0.61	—0.02
	100	71.52	160 0	159 53	+0 7	0.66	0.62	+0.04
	101	72.52	157 57	155 46	+2 11	0.56	0.62	—0.06
Dembowski	102	75.52	146 42	143 40	+3 2	0.80	0.63	+0.17
	103	1872.44	154 58	156 6	—1 8	0.60	0.62	—0.02
	104	73.42	150 59	152 3	—1 4	0.75	0.63	+0.12
	105	74.44	147 49	147 54	—0 5	0.81	0.63	+0.18
	106	75.41	141 56	144 10	—2 14	0.69	0.63	+0.06
Schiaparelli	107	1875.47	143 19	143 56	—0 37	0.64	0.65	+0.01
Doberck	108	1876.35	143 46	140 30	+3 16	—	—	—
		τ Ophiuchi.						
Gledhill	60	1870.3	247 36	248 39	—1 3	1.7	1.51	+0.19
	61	71.7	247 0	249 25	—2 25	1.5	1.53	—0.03
	62	73.6	247 36	250 26	—2 50	1.6	1.55	+0.05
	63	74.8	248 30	251 3	—2 33	1.66	1.57	+0.09
Wilson & Seabroke	64	1872.49	248 54	249 51	—0 57	—	—	—
	65	73.52	250 33	250 26	+0 7	1.70	1.55	+0.15
	66	74.87	249 24	251 5	—1 41	1.64	1.57	+0.07
Dunér	67	1869.64	248 11	248 17	—0 6	1.41	1.51	—0.10
	68	70.71	250 42	248 53	+1 49	1.26	1.52	—0.26
Main Schiaparelli	69	71.66	251 3	249 24	+1 39	1.31	1.53	—0.22
	70	1873.73	253 33	250 31	+3 2	1.45	1.55	—0.10
	71	1875.60	248 56	251 27	—2 31	1.61	1.58	+0.03

Observer	Nr.	Epoch	Θ_o	Θ_c	$\Theta_o - \Theta_c$	ρ_o	ρ_c	$\rho_o - \rho_c$
Dembowski	72	1873.06	248°22'	250°10	—1°48	1''60	1''55	+0''05
	73	75.12	248 48	251 12	—2 24	1.61	1.58	+0.03
γ Leonis.								
J. Herschel	76	1833.22	104 15	103 36	+0 39	2.65	2.70	—0.05
Dawes	77	1847.28	107 49	106 50	+0 59	2.80	2.90	—0.10
	78	48.46	108 9	107 5	+1 4	2.82	2.92	—0.10
	79	51.87	108 46	107 46	+1 0	2.81	2.96	—0.15
	80	54.37	109 46	108 15	+1 31	2.85	2.99	—0.14
	81	59.37	109 14	109 11	+0 3	3.13	3.05	—0.08
	82	60.37	110 20	109 22	+0 58	3.10	3.06	+0.04
	83	64.50	110 4	110 7	—0 3	3.01	3.10	—0.09
	84	65.37	110 17	110 17	0 0	3.17	3.11	+0.06
Jacob	85	1853.59	108 5	108 5	0 0	2.99	2.99	0.00
	86	56.79	109 37	108 43	+0 54	2.93	3.02	—0.09
	87	57.76	109 2	108 54	+0 8	3.09	3.03	+0.06
Marton	88	1852.29	105 35	107 51	—2 16	3.16	2.97	+0.19
	89	55.34	108 57	108 26	+0 25	3.05	3.00	+0.05
	90	56.21	108 44	108 36	+0 8	2.89	3.01	—0.12
	91	60.12	110 6	109 19	+0 47	3.07	3.06	+0.01
Main	92	1867.34	110 3	110.39	—0 36	3.16	3.13	+0.03
	93	68.39	111 58	110 50	+1 8	3.55	3.14	+0.41
	94	71.33	111 36	111 19	+0 17	3.54	3.17	+0.37
	95	1870.30	110 42	111 9	—0 27	3.11	3.16	—0.05
Gledhill	96	71.35	112 0	111 20	+0 40	3.05	3.17	—0.12
	97	73.30	110 54	111 39	—0 45	—	—	—
	98	74.12	112 36	111 47	+0 49	3.20	3.20	0.00
	99	75.30	112 18	111 59	+0 19	3.29	3.21	+0.08
	100	76.20	111 52	112 8	—0 16	3.29	3.22	+0.07
Wilson & Seabroke	101	1871.48	113 0	111 21	+1 39	3.78	3.17	+0.61
	102	72.19	112 36	111 28	+1 8	3.36	3.18	+0.18
	103	73.23	112 30	111 38	+0 52	3.50	3.19	+0.31
	104	74.20	112 48	111 48	+1 0	3.43	3.20	+0.23
Kaiser	105	1865.36	—	—	—	3.21	3.11	+0.10
	106	66.28	110 19	110 27	—0 8	3.11	3.12	—0.01
Dunér	107	1869.39	111 10	111 0	+0 10	2.98	3.16	—0.18
	108	70.38	111 55	111 10	+0 45	3.10	3.16	—0.06
	109	71.39	112 17	111 20	+0 57	2.99	3.17	—0.18
	110	72.44	112 25	111 30	+0 55	3.14	3.18	—0.04
	111	74.09	113 12	111 47	+0 25	3.06	3.20	—0.14
	112	75.46	113 28	112 1	+1 27	3.10	3.21	—0.11
	113	1873.85	111 14	111 45	—0 31	3.18	3.20	—0.02
Schiaparelli	114	1875.29	110 52	111 59	—1 7	3.38	3.21	+0.17
Doberck	115	1876.16	112 33	112 8	+0 25	3.34	3.22	+0.12
44 Boötis.								
Schiaparelli	66	1875.41	239 34	241 23	—1 49	4.90	4.86	+0.04
Doberck	67	1876.27	240 24	241 30	—1 6	—	—	—
η Cassiopeiae.								
Gledhill	88	1875.46	146 27	146 40	—0 13	5.55	5.82	—0.27
Ball	89	1876.09	147 24	148 1	—0 37	—	—	—

Markree. July 1876.

W. Doberck.