Observations of Comet 1882 III (Barnard)
with the Refractor of Morrison Observatory, Glasgow, Missouri.

1882	T. M. Obs.	$\Delta\alpha$	$\Delta\delta$	Comp.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Obs.	*
Sept. 22	16 ^h 18 ^m 15 ^s	+0 ^m 51 ^s 21	+8' 13" 83	8	7 ^h 35 ^m 54 ^s 65	9.548 _n	+ 8° 50' 16" 17	0.683	P	1
24	16 2 16	+0 7.85	—1 7.16	9	7 40 20.43	9.550 _n	+ 6 43 14.66	0.701	P	2
25	15 59 56	+0 48.57	—6 16.31	25	7 42 38.71	9.550 _n	+ 5 35 47.79	0.709	P	3
Oct. 5	15 33 52	+2 19.97	+7 49.13	5	8 8 52.58	9.571 _n	— 8 3 14.64	0.788	P	4
8	15 46 59	+0 29.24	+3 44.84	9	8 18 28.47	9.556 _n	—13 12 21.91	0.807	P	5
11	16 37 8	—0 44.42	—3 16.48	7	8 29 16.75	9.464 _n	—18 41 22.18	0.847	P	6
12	16 56 16	—2 2.98	—2 2.39	5	8 33 11.86	9.417 _n	—20 37 48.78	0.861	P	7
14	16 58 4	+0 56.96	—5 42.49	4	8 41 25.78	9.425 _n	—24 33 48.33	0.874	P	8

Adopted mean places of comparison stars.

*	α 1883.0	δ 1883.0	Authority
1	7 ^h 35 ^m 0 ^s 68	+ 8° 42' 9" 57	W ₁ 7 ^h 10 ^m 29
2	7 40 9.84	+ 6 44 29.77	DM. +6° 17' 77, determined by 12 Filar Micr. comps. with W ₁ 7 ^h 11 ^m 59
3	7 41 47.40	+ 5 42 10.87	Lalande 15177
4	8 6 29.68	— 8 10 58.98	1/2 (Yarnall 3315 + Lalande 16069)
5	8 17 56.43	—13 12 2.74	Anonymous 1/2 (Mean of 12 Fil. Micr. comps. with W ₁ 8 ^h 44 ^m 8 + the Mean of 6 Fil. Micr. comps. with Schj. 3062 = W ₁ 8 ^h 39 ^m 8)
6	8 29 58.68	—18 38 2.10	Lalande 16938
7	8 35 12.39	—20 35 43.90	1/2 (Ll. 17137 + B. Z. 9 Nr. 93)
8	8 40 26.16	—24 28 3.06	AOe. 8947

The Differential Refraction has been applied to the measured Differences. This Comet was a somewhat round hazy mass, with slight central condensation. It was generally difficult to observe. On Sept. 22 and 25, and on Oct. 5 a power of 75 was used — on all other occasions a power of 175 — the threads being directly illuminated by a graduated red light.

The Instrument was constructed and mounted by A. Clark & Sons in 1876, the Objective has a clear aperture

of 12 1/4 inches, and a focal length of 17 feet. The large Filar Micrometer is a Duplicate of Micrometer Nr. 1, of the 26 inch Equatorial at Washington — a full description of which may be seen in the volumes of the Washington Observations, for 1873-74. The range of the screw is 150 revolutions. The value of one revolution is 12" 91.

C. W. Pritchett.

Beobachtung des Cometen 1882 II auf der Sternwarte zu Königsberg.

1883	M. Z. Kbg.	$\Delta\alpha$	$\Delta\delta$	Vgl.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	*
März 3	9 ^h 21 ^m 9 ^s	—3 ^m 5 ^s 29	—	8	5 ^h 51 ^m 20 ^s 29	9.488	—	—	1
3	9 20 31	—	+ 3' 18" 9	4	—	—	—14° 40' 2" 1	0.905	1

Mittlerer Ort des Vergleichsternes.

*	α 1883.0	δ 1883.0	Autorität
1	5 ^h 54 ^m 24 ^s 03 +1 ^s 55	—14° 43' 3" 0 —18" 0	W ₁ 5 ^h 13 ^m 62

Dr. J. Franz.