Observations of Comet 1884 III (Wolf)

on the Equatorial of Morrison Observatory, Glasgow, Missouri.

By C. W. Pritchett.

1884-85	Berlin M. T.	$\Delta\alpha$	$\Delta\delta$	Cp.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Red. ad l. app.	*
Oct. 16	15 ^h 55 ^m 8 ^s	-3 ^m 49 ^s 97	+ 3' 16" 18	7	21 ^h 41 ^m 39 ^s 52	9.023	+9° 53' 28".43	0.637	+3 ^s 25 +29".16	1
17	14 26 45	+4 36.29	+ 5 36.51	7	21 43 8.84	8.829 _n	+9 26 42.71	0.650	+3.20 +29.04	2
18	16 15 27	+4 13.47	+ 7 20.84	7	21 44 53.32	9.188	+8 56 17.63	0.652	+3.18 +28.85	3
22	14 19 54	-5 42.21	+ 3 1.32	7	21 51 39.11	8.767 _n	+7 8 15.60	0.670	+3.23 +28.41	4
23	15 11 38	+3 3.06	+ 0 19.89	12	21 53 26.94	8.849 _n	+6 41 33.19	0.675	+3.16 +28.41	5
23	15 58 17	+2 48.09	- 2 30.37	7	21 53 34.44	9.159	+6 39 34.84	0.678	+3.18 +28.41	6
24	13 44 6	+0 51.37	+ 5 20.89	12	21 55 14.71	9.081 _n	+6 15 32.54	0.682	+3.19 +28.27	7
24	15 35 37	+0 59.88	+ 3 15.03	13	21 55 23.22	9.066	+6 13 26.68	0.682	+3.19 +28.27	7
27	14 20 24	+3 22.73	+ 4 17.21	9	22 1 0.86	8.563 _n	+4 57 38.58	0.695	+3.17 +27.82	8
28	14 40 20	+3 8.18	+ 2 19.87	10.5	22 3 1.07	7.854	+4 32 17.48	0.699	+3.17 +27.74	9
Nov. 4	13 43 42	-1 57.17	+ 1 40.50	9	22 17 31.93	8.901 _n	+1 50 25.52	0.734	+3.17 +26.55	10
5	13 45 14	-0 49.73	+ 5 48.02	16	22 19 43.42	8.804 _n	+1 29 2.17	0.731	+3.14 +26.41	11
6	14 32 0	+0 2.52	+ 3 1.35	23	22 22 0.09	8.371	+1 7 28.92	0.734	+3.17 +26.29	12
7	14 17 33	+4 48.06	- 0 41.18	9	22 24 12.39	7.288 _n	+0 47 5.82	0.738	+3.14 +26.13	13
8	13 33 20	-0 24.90	- 3 5.96	21	22 26 23.95	8.937 _n	+0 27 48.00	0.741	+3.18 +26.05	14
9	13 46 38	-0 1.61	+ 7 45.63	12	22 28 41.54	8.755 _n	+0 8 9.93	0.744	+3.17 +25.82	15
9	14 58 29	+0 5.02	+ 6 45.90	13	22 28 48.17	8.934	+0 7 10.20	0.744	+3.17 +25.82	15
10	14 29 4	+0 16.26	+ 2 18.36	19	22 31 3.10	8.493	-0 11 24.97	0.747	+3.17 +25.63	16
11	14 43 46	-3 25.60	+ 1 35.16	5	22 33 23.67	8.802	-0 30 4.51	0.750	+3.19 +25.61	17
12	14 34 54	+6 16.00	- 5 37.82	1	22 35 42.86	8.691	-0 48 6.77	0.753	+3.13 +25.28	18
13	13 33 52	-0 59.80	+ 0 34.38	15	22 37 58.26	8.841 _n	-1 4 42.97	0.754	+3.16 +25.04	19
14	13 34 6	+1 14.56	- 1 38.92	14	22 40 19.29	8.843 _n	-1 21 48.38	0.758	+3.14 +24.88	20
15	13 27 59	+2 46.90	- 5 57.38	9	22 42 41.78	8.874 _n	-1 38 8.48	0.760	+3.13 +24.72	21
16	14 2 4	+5 45.07	- 7 34.34	4	22 45 10.25	5.526	-1 54 22.15	0.762	+3.11 +24.58	22
20	13 34 9	+2 30.94	+ 7 38.89	9	22 54 50.64	8.678 _n	-2 52 51.12	0.771	+3.16 +24.77	23
23	14 16 59	-3 19.64	+11 28.87	7	23 2 22.04	8.669	-3 31 51.96	0.776	+3.17 +23.19	24
24	13 40 19	-0 53.73	- 0 10.62	15	23 4 47.96	7.375 _n	-3 43 31.54	0.778	+3.19 +23.10	24
Dec. 3	13 23 45	+4 1.33	- 0 7.17	9	23 27 36.58	8.501 _n	-5 9 31.23	0.789	+3.13 +21.48	25
4	13 48 32	+6 37.70	- 5 30.90	5	23 30 12.94	8.318	-5 16 56.98	0.790	+3.12 +21.46	25
7	13 24 19	-0 46.29	+ 2 25.37	15	23 37 54.07	8.292 _n	-5 36 15.32	0.793	+3.17 +20.64	26
8	13 15 32	+1 47.21	- 3 7.19	10	23 40 27.56	8.537 _n	-5 41 47.98	0.794	+3.16 +20.54	26
12	13 43 31	-0 24.90	+ 5 27.25	13	23 50 50.02	8.514	-6 0 17.07	0.796	+3.14 +19.48	27
12	14 2 2	-1 1.63	+ 5 34.72	7	23 50 51.64	8.843	-6 0 25.40	0.796	+3.15 +19.38	28
15	13 42 58	-0 51.30	+10 53.73	13	23 58 35.67	8.598	-6 10 10.37	0.797	+3.13 +19.19	29
Jan. 7	13 48 33	-1 13.36	+ 4 2.07	11	0 57 34.63	9.054	-5 52 19.92	0.793	+0.17 - 5.27	30
8	13 50 25	+1 18.18	+ 7 43.53	10	1 0 6.15	9.079	-5 48 38.56	0.793	+0.15 - 5.37	30
9	14 5 22	-6 2.62	- 5 24.44	8	1 2 39.37	9.179	-5 44 34.31	0.791	+0.20 - 5.79	31
12	14 21 28	+1 31.30	+ 7 26.59	10	1 10 13.29	9.277	-5 31 43.49	0.788	+0.22 - 6.00	31
13	14 20 46	-1 0.30	+ 3 48.47	10	1 12 42.89	9.278	-5 27 9.41	0.788	+0.18 - 6.20	32
Febr. 2	14 21 11	-6 0.67	+ 6 2.10	5	2 1 52.95	9.385	-3 28 19.59	0.771	+0.25 - 8.89	33
3	14 30 56	-3 35.15	+12 57.15	4	2 4 18.45	9.414	-3 21 24.58	0.770	+0.23 - 8.93	33
13	14 42 55	+3 31.43	+ 0 54.47	4	2 28 13.76	9.490	-2 10 13.80	0.760	+0.19 - 9.63	34
Mar. 3	14 43 7	-0 2.57	- 2 50.73	10.9	—	—	—	—	—	35
9	14 49 48	-0 17.24	0 0.00	10.10	—	—	—	—	—	36
10	14 58 43	-2 35.75	- 7 15.64	5.4	3 26 19.18	9.578	+0 47 31.88	0.750	+0.16 -11.80	37
13	14 43 20	+0 16.27	0 0.00	13	—	—	—	—	—	38
14	15 15 56	+2 53.27	+ 0 28.62	5	—	—	—	—	—	39
19	15 2 27	-0 50.30	- 1 39.15	10.6	3 46 41.78	9.600	+1 44 45.61	0.737	+0.11 -12.41	40

Adopted mean Places of Comparison Stars.

*	α 1884.0	δ 1884.0	Authority	*	α 1884-85.0	δ 1884-85.0	Authority
1	21 ^h 45 ^m 26 ^s .24	+9° 49' 43".09	BB. VI +9°49'13	18	22 ^h 29 ^m 23 ^s .73	—0° 42' 54".23	γ Aquarii. Am. Ephem.
2	21 38 29.34	+9 20 37.16	ϵ Pegasi. Am. Ephem.	19	22 38 54.90	—1 5 42.39	9 fil. micr. comp. — Note.
3	21 40 36.67	+8 48 27.94	Glasg. 5573 (W_1 21 ^h 946, Lal. 42437)	20	22 39 1.58	—1 20 34.34	$\frac{1}{2}$ (Gl. 5930 + Sj. 9307)
4	21 57 18.09	+7 4 45.87	Lam ₂ 6218 (W_1 21 ^h 1296)	21	22 39 51.75	—1 32 35.82	Glasg. 5936 (W_1 22 ^h 812)
5	21 50 20.72	+6 40 44.89	BB. VI +6°49'27	22	22 39 22.06	—1 47 12.39	Schj. 9313 (Lal. 44506)
6	21 50 43.16	+6 41 36.80	BB. VI +6°49'30 (W_1 21 ^h 1150)	23	22 52 16.54	—3 0 54.78	$\frac{1}{2}$ (Gl. 6013 + Schj. 9421)
7	21 54 20.15	+6 9 43.38	$\frac{1}{2}$ (Y. 9638 + Schj. 8963) (Arm. 4799)	24	23 5 38.51	—3 43 44.02	Wash. Mer. Circ. — Note.
8	21 57 34.96	+4 52 53.55	Schj. 8995 (Lal. 43002)	25	23 23 32.12	—5 9 47.54	9yr. 2204
9	21 59 49.72	+4 29 29.87	ν Pegasi, Glasg. 5683	26	23 38 37.19	—5 39 1.33	7 fil. micr. comp. — Note.
10	22 19 25.94	+1 48 24.47	Lam ₁ 8824 (W_1 22 ^h 380)	27	23 51 11.78	—6 6 3.80	W_1 23 ^h 1016
11	22 20 30.01	+1 22 47.74	Schj. 9172 (W_1 22 ^h 399, Lal. 43796)	28	23 51 50.12	—6 6 19.50	W_1 23 ^h 1029
12	22 21 54.40	+1 4 1.28	Lam ₁ 8839 (W_1 22 ^h 437)	29	23 59 23.84	—6 21 23.29	33 Piscium. 9yr. 2259
13	22 19 21.19	+0 47 20.87	π Aquarii. Am. Ephem.	30	0 58 47.82	—5 56 16.72	10 fil. micr. comp. — Note.
14	22 26 45.68	+0 30 27.91	Schj. 9218 (Lal. 44036)	31	1 8 41.79	—5 39 4.08	Schjell. 396 (Lal. 2224, W_1 1 ^h 98)
15	22 28 39.98	—0 0 1.52	$\frac{1}{4}$ (BB. VI 4383 + Glasg. 5876 + Rü. 10377 + Arm. 4957)	32	1 13 43.01	—5 30 51.70	Schj. 416 (W_1 1 ^h 183)
16	22 30 43.66	—0 14 8.96	$\frac{1}{2}$ (BB. VI 4387 + Schj. 9246)	33	2 7 53.37	—3 34 12.80	$\frac{1}{2}$ (Stone 881 + Gl. 488)
17	22 36 46.08	—0 32 5.48	$\frac{1}{2}$ (Gl. 5918 + Sj. 9291-92)	34	2 24 42.14	—2 10 58.64	W_1 2 ^h 387
				35	—	—	DM. —0°517
				36	—	—	DM. +0°600
				37	3 28 54.77	+0 54 59.32	BB. VI +0°600
				38	—	—	Anonymous. — Note.
				39	—	—	DM. +1°634
				40	3 47 31.97	+1 46 37.27	Glasg. 914 (W_1 3 ^h 888)

Notes.

No. 19 is W_1 22^h790, but was compared with Schj. 9358-59 = Glasg. 5963. The differences corrected for Refraction being $\alpha' - \alpha = -5^m 50^s 25$, $\delta' - \delta = +5' 49".45$.

* 24. By request, this star, which is W_1 23^h51, was reobserved on the Meridian Circle at Washington, Nov. 29 and Dec. 3 and 4. Prof. Eastman gives the apparent place for Dec. 3, $\alpha = 23^h 5^m 41^s 55$, $\delta = -3^\circ 43' 21".60$.

* 26. This star was compared with 795 Wash. Cat. of 1875 = 666 Cat. of 1876. The corrected differences were $\alpha' - \alpha = -3^m 15^s 01$, $\delta' - \delta = -4' 33".29$.

* 30. This star was compared with Σ 86 Borealis = Sj. 363. The corrected differences were $\alpha' - \alpha = -0^m 10^s 10$, $\delta' - \delta = +8' 46".73$.

* 38. This star is Mag. 9.8 and is not in the Durchmusterung, it follows DM. +1°634, nearly 20° and is S of it. No opportunity was afforded to obtain its place.

On Nov. 6, at 14^h29^m Berlin M. T., the Comet exactly covered a star of Mag. 9.6, not given in the DM. The star shone with a pearly whiteness through the center of the Comet.

All the differences have been corrected for Refraction.

Observations on this Comet were delayed for some time on account of error in the Telegram,* which assigned a daily motion Northward of 26'.

The Comet was readily found from the Ephemeris, on April 3; it was then very faint, and observations with a Filar-micrometer were barely possible.

Morrison Observatory, Glasgow, Missouri, 1885 April 10.

C. W. Pritchett.

*) Wegen dieses Irrthums vergl. die Bemerkung in A. N. 2615 pag. 367.