

Ring-Micrometer Observations of Comets and Nebulae

made with the 6 inch. Cook Equatorial of the Vanderbilt University Observatory.

I. Comets.

Date	Nashv. M.T.	$\Delta\alpha$	$\Delta\delta$	Cp.	α app.	δ app.	Red. ad l. app.	*
1885-86		Comet 1886 I.						
Dec. 2	12 ^h 20 ^m 50 ^s	+0 ^m 53 ^s 62	+11' 9".3	5	0 ^h 34 ^m 49 ^s 53	+21° 0' 1".8	+3 ^s 55 +24".4	1
Feb. 4	7 47 10	+2 7.86	-19 4.0	4	23 24 7.71	+24 13 28.0	-0.71 + 2.1	2
	5 8 2 9	-0 20.23	+15 16.6	5	23 23 52.84	+24 23 55.2	-0.75 + 1.8	3
1885-86		Comet 1886 II.						
Dec. 3	11 11 25	+1 42.22	- 9 2.0	4	4 21 37.27	+ 4 44 9.7	+4.08 + 1.2	4
	3 14 19 48	+1 23.98	- 8 8.2	3	4 21 19.03	+ 4 45 3.5	+4.08 + 1.2	4
	5 10 44 54	-2 59.54	+ 1 4.1	10	4 16 55.53	+ 4 54 15.6	+4.10 + 1.0	4
	9 12 27 46	+2 26.13	- 2 3.1	5	4 6 59.58	+ 5 16 47.2	+4.12 + 2.2	5
	11 8 8 32	-2 49.95	+14 32.8	4	4 2 26.88	+ 5 27 56.4	+4.13 + 2.0	6
	11 10 45 0	-3 5.98	+15 13.4	3	4 2 10.85	+ 5 28 37.0	+4.13 + 2.0	6
	15 10 3 8	-4 57.63	+15 10.3	5	3 52 8.79	+ 5 55 22.5	+4.12 + 2.5	7
	26 10 57 51	-1 22.29	- 0 17.6	5	3 24 17.85	+ 7 25 21.4	+4.04 + 5.1	8
	26 11 0 58	-1 41.58	+14 46.3	4	3 24 17.57	+ 7 25 22.5	+4.05 + 5.2	9
Feb. 1	9 23 13	+2 54.36	+ 1' 4.6	11	—	—	+0.11 - 4.8	10
Mar. 23	8 10 37	-0 10.25	- 2 48.2	5	1 51 20.42	+27 54 55.3	-0.55 - 5.0	11
May 12	15 52 2	-2 10.35	- 5 49.3	2	2 0 35.63	+34 32 26.7	+0.27 -13.6	12
1885-86		Comet 1885 V.						
Dec. 29	6 54 26	-1 31.57	-13 51.8	6	20 3 13.99	+ 5 1 4.1	+1.58 +17.5	13
	30 6 14 14	+1 16.19	-16 22.2	3	20 7 4.61	+ 5 27 49.4	+1.58 +17.7	14
Jan. 11	6 40 26	-0 20.58	- 1 8.2	4	20 53 55.61	+10 51 58.6	-1.23 + 5.2	15
	11 6 40 26	-3 21.35	+ 2 1.0	4	20 53 55.86	+10 51 58.5	-1.22 + 5.1	16
Feb. 5	7 1 31	+0 42.18	- 0 35.1	4	22 26 0.37	+20 25 8.9	-0.93 + 1.5	17
1886		Comet 1886 IV (Brooks 3).						
May 24	8 46 38	-2 28.34	-12 36.4	4	11 52 43.99	+ 8 20 18.1	+1.28 - 6.5	18

2. Nebulae.

Neb.	1886	$\Delta\alpha$	$\Delta\delta$	Cp.	α 1886.0	δ 1886.0	*
G. C. 4036	June 29, 30 9 ^h	-3 ^m 14 ^s 31	- 9' 4".2	4	14 ^h 56 ^m 58 ^s 81	-32° 37' 10".9	19
New neb. star	March 3 11 ^h	-2 12.99	+18 41.3	2	6.40 57.6	+ 1 26 27	20

Assumed Mean Places of Comparison Stars.

α 1885-86.0	δ 1885-86.0	Authority	*	α 1885-86.0	δ 1885-86.0	Authority
1 0 ^h 33 ^m 52 ^s 36	+20° 48' 28".1	Y. 313	11	1 ^h 51 ^m 31 ^s 22	+27° 57' 48".5	From A. N. 2735
2 23 22 0.56	+24 32 29.9	Y. 10357	12	2 2 45.71	+34 26 51.0	β Trianguli. Amer. Eph.
3 23 24 13.82	+24 8 36.8	Rü. 11246	13	20 4 43.98	+ 5 14 38.4	Sj. 7855
4 4 19 50.97	+ 4 53 10.5	H.V. Egbert, Dudley Obsy.	14	20 5 46.84	+ 5 43 53.9	Glasg. 5029
5 4 4 29.33	+ 5 18 48.1	W ₁ 4 ^h 35	15	20 54 17.42	+10 53 1.6	Lam ₄
6 4 5 12.70	+ 5 13 21.6	Glasg. 992	16	20 57 18.43	+10 49 52.4	W ₁ 1431 from A. N. 2717
7 3 57 2.30	+ 5 40 9.6	Glasg. 952	17	22 25 19.12	+20 25 42.5	W ₂ 22 ^h 52 ^m 22
8 3 25 36.09	+ 7 25 33.8	W ₁ 3 ^h 42 ^m 25	18	11 55 11.05	+ 8 33 1.0	Y. 5021
9 3 25 55.11	+ 7 10 31.1	1/3 (Sj. 1044 + Y. 1453 + BB.VI 517)	19	15 0 13.11	-32 28 6.7	Y. 6205
10 —	—	DM. +14° 37' 8"	20	6 43 10.6	+ 1 7 46	Glasg. 1659.