No.	Star	Mg.	T	P	L	Windsor M. T.	No.	Star	Mg.	T	P	L	Windsor M. T.
31	BAC. 5395	—	8	R	Bt	Sept. 10 ^d 6 ^h 42 ^m 47 ^s .7	45	BAC. 7197	—	8	D	Dk	Oct. 12 ^d 6 ^h 12 ^m 9 ^s .0
32	Cinc. 2724	7	8	D	Dk	10 8 21 47.2	46	56 Aquarii	6	8	D	Dk	Nov. 10 9 48 38.8
33	Cinc. 2732	7	4½	D	Dk	10 9 50 58.3	47	A Tauri	—	8	D	Bt	16 11 30 52.3
34	39 ² Ophiuchi	6½	4½	D	Dk	11 11 29 32.8	48	A Tauri	—	8	R	Dk	16 12 50 11.6
35	39 ¹ Ophiuchi	8	4½	D	Dk	11 11 30 10.1	49	φ Capric.	—	8	D	Dk	Dec. 6 7 8 44.8
36	* 1)	8	8	D	Dk	12 8 14 38.4	50	φ Capric.	—	8	R	Bt	6 8 7 8.6
37	Yar ₃ 7810	6½	8	D	Dk	12 8 47 26.1	51	Cinc. 3578	7	8	D	Dk	6 8 37 8.2
38	φ Capric.	5	8	D	Dk	15 8 35 53.3	52	δ = -20° 49'	10	8	D	Dk	6 8 38 7.7
39	φ Capric.	5	8	R	Bt	15 9 38 41.8	53	* 10 ^m	10	8	D	Dk	6 8 42 20.5
40	AOe ₂ 22047	8	8	D	Dk	16 9 10 53.2	54	o Piscium	—	8	D	Dk	11 10 27 14.1
41	Cinc. 2689	8½	8	D	Dk	Oct. 7 7 8 49.8	55	o Piscium	—	8	R	Bt	11 11 18 42.4
42	AOe ₂ 17281-2	8½	4½	D	Dk	9 7 41 1.2	56	Yar ₃ 1202	—	8	D	Dk	12 9 38 30.5
43	σ Sagittarii	—	4½	D	Dk	10 10 21 16.7	57	o Arietis	6	4½	D	Dk	12 13 2 23.0
44	* 2)	8½	8	D	Dk	11 8 38 10.2							

1) AOe₂ 17741-2-3. 2) α = 19^h 44^m 5, δ = -25° 10'.

Remarks.

1, 2, 4, 6, 13, 16, 18, 23, 24, 42, 43, 44, 57: Disappearances not quite instantaneous. — 3, 29, 31, 52, 53: Stars faint. — 3, 11: Uncertain to a second. — 5, 8, 9, 22, 25, 26, 30, 32, 33, 34, 35, 36, 37, 38, 40, 41, 46, 49, 51, 54: Disappearances instantaneous. — 5: Star reddish. — 6, 8, 13, 16, 17, 18, 22, 23, 24, 25, 26, 27, 30, 32, 33, 34, 35, 37, 38, 39, 40, 41, 46, 49, 50, 51, 54, 56: Good observations. — 7: Disappearance occupied about a quarter of a second in very strong twilight. — 9, 24, 36, 43: Disappearances through thin cloud. — 10: Uncertain to 3 or 4 seconds owing to confusion in counting chronometer beats. — 11, 12: Observations during total eclipse. — 12: Observation pretty good. — 14: Slight tremor of the telescope at the critical moment. — 15, 17, 19, 39: Bright limb steady and well defined. — 15, 48, 55: Observations probably half

a second late. — 19: Star became rapidly fainter as it approached the limb and actual disappearance probably not seen. — 20: Probably a considerable fraction of a second late. — 21, 47: Disappearances as soon as in contact with the limb. — 26: In contact with the terminator. — 28: Simply a graze; the star was not occulted but at the time indicated was in contact with a bright point on the moon's south cusp. — 31: Probably a second late. — 34: Pale red. — 35: Pale blue. The position angle and distance of 34 and 35 for the epoch 1891.726 were found to be 354°9, 10"53. — 45: Disappearance in very strong twilight and star excessively faint; observation unsatisfactory. — 49: Twilight very strong, but star well seen. — 52, 53: Observations uncertain to half a second.

Windsor N. S. W., 1892 January 25.

John Tebbutt.

Observation of Comet 1892... (Swift March 6) at Windsor N. S. Wales.

Continued cloudy weather, with rain, has almost completely prevented observations of this comet. The only clear morning we have had for the past ten days enabled me to secure the observations which I now send. They were made in a bright field with the filar micrometer on the 8 inch equatorial. The nucleus was small and admitted of accurate observation. The opportunity was taken to note the time

when the comet's nucleus and star No. 1 were exactly bisected together by the transit thread and also when each of the stars and the nucleus were bisected by one of the declination threads. These observations are considered very exact, and are given below with the ordinary comparisons. There is as yet no prospect of the weather clearing.

1892	Winds. M. T.	Δ RA.	Δ NPD.	Cp.	RA. app.	log p. Δ	NPD. app.	log p. Δ	Red. ad l. app.	*
Mar. 10	16 ^h 19 ^m 44 ^s	-0 ^m 3 ^s .31	—	13	19 ^h 14 ^m 13 ^s .13	9.661 _n	—	—	-0.83	1
10	16 19 44	-0 16.13	+1' 17".4	13	19 14 13.22	9.661 _n	118° 43' 4".5	0.347	-0.83 +5".6	2
10	16 35 52	0 0.00	—	1	19 14 16.44	9.638 _n	—	—	-0.83	1
10	16 42 32	—	0 0.0	1	—	—	118 42 14.9	0.290	— +5.6	1
10	16 56 30	—	0 0.0	1	—	—	118 41 47.1	0.253	— +5.6	2

Mean Places of the Comparison Stars for 1892.0.

*	RA.	NPD.	Authority
1	19 ^h 14 ^m 17 ^s .27	118° 42' 9".3	Wash. Mur. Z. 182.57
2	19 14 30.18	118 41 41.5	Wash. Mur. Z. 182.58, AOe ₂ 19405

Private Observatory, Windsor N. S. Wales, 1892 March 20.

John Tebbutt.