

Further Observations of Comet 1888... (Sawerthal) at Windsor N. S. Wales.

In a former communication I sent you positions of this comet for February 27 and 28. The following positions are the results of filar micrometer measures, the first for March 7 depending on the 4½ inch telescope, and all the others on the 8 inch instrument. The refraction corrections, although amounting in no case to more than a small fraction of a second of arc, have been applied. The comet's nucleus was stellar and except when blurred by atmospheric conditions admitted of accurate observation. The tail may be traced by the unassisted eye as far as three degrees from the head.

1888	Winds. M.T.	Δ RA.	Δ NPD.	Cp.	RA. app.	$\log p.\Delta$	NPD. app.	$\log p.\Delta$	Red. ad l. app.	*
March 2	16 ^h 26 ^m 47 ^s	— 0 ^m 46 ^s 42	+ 2' 57.1	9	20 ^h 20 ^m 15.5	9.787 _n	128° 24' 19"	0.449	—1.81 —4.0	4
2	17 9 9	— 7 22.11	— 6 48.6	3	20 20 13.75	9.761 _n	128 21 26.3	0.305	—1.85 —3.6	5
3	16 42 37	+15 13.61	+ 4 32.6	5	20 24 18.09	9.770 _n	126 52 7.3	0.421	—1.69 —4.5	6
3	16 42 37	+ 9 53.77	— 5 31.8	5	20 24 17.93	9.770 _n	126 52 6.9	0.421	—1.72 —4.2	7
4	16 35 54	+11 46.48	— 8 5.3	5	20 28 18.57	9.766 _n	125 21 6.2	0.459	—1.67 —3.8	8
6	17 8 19	— 0 56.62	— 4 33.3	13	20 36 9.65	9.729 _n	122 15 14.2	0.412	—1.65 —2.2	9
7	15 22 27	+ 1 7.90	— 3 5.5	7	20 39 38.31	9.757 _n	120 49 50.3	0.644	—1.60 —1.9	10
7	16 43 48	+ 1 20.73	— 8 16.4	21	20 39 51.14	9.739 _n	120 44 39.4	0.490	—1.60 —1.9	10
8	16 49 29	— 0 11.15	— 2 15.4	18	20 43 32.88	9.728 _n	119 12 14.6	0.494	—1.57 —1.4	11

Mean Places of the Comparison Stars for 1888.0.

*	RA. 1888.0	NPD. 1888.0	Authority	*	RA. 1888.0	NPD. 1888.0	Authority
4	20 ^h 20 ^m 49 ^s 7	128° 22' 18"	Anonymous. Appr. pos.	8	20 ^h 16 ^m 33 ^s 76	125° 29' 15".3	Stone 10897
5	20 27 37.71	128 28 18.5	Stone 10965	9	20 37 7.92	122 19 49.7	Stone 11038
6	20 9 6.17	126 47 39.2	Stone 10840	10	20 38 32.01	120 52 57.7	Stone 11047
7	20 14 25.88	126 57 42.9	Cord. Z. 22.55	11	20 43 45.60	119 14 31.4	Wash. Mur. Z. 132.73

Private Observatory, Windsor N. S. Wales, 1888 March 14.

John Tebbutt.

Osservazioni della Cometa 1888... (Sawerthal)

fatte dagli Astronomi Riccò e Zona all'equatoriale di Palermo.

1888	T.M.Palermo	$\Delta\alpha$	$\Delta\delta$	Cfr.	α app.	δ app.	Red. ad l. app.	*
Marzo 13	17 ^h 25 ^m 49 ^s	— 0 ^m 37 ^s 06	+ 0' 56".4	5	21 ^h 2 ^m 30 ^s 50	— 20° 59' 20".8	—1.39 —0.9	1
19	17 26 35	+ 0 48.40	— 8 48.2	5	21 22 22.28	— 12 17 52.6	—1.23 —3.2	2
20	17 13 19	— 5 19.75	— 14 55.3	2	21 25 32.28	— 10 55 28.4	—1.25 —3.7	3
23	17 21 28	+ 0 48.01	— 1 15.7	6	21 35 13.05	— 6 53 57.3	—1.16 —4.5	4
25	16 59 43	+ 2 46.30	+ 12 15.7	1	21 41 30.34	— 4 19 51.1	—1.11 —5.0	5
27	17 5 28	+ 1 32.00	— 3 43.5	4	21 47 49.09	— 1 52 27.2	—1.08 —5.7	6
29	16 16 17	— 0 9.83	+ 7 16.7	4	21 54 5.30	+ 0 30 25.4	—1.06 —6.2	7
Aprile 5	17 5 47	— 0 15.44	— 2 31.8	5	22 15 28.83	+ 8 0 53.8	—0.96 —7.9	8
8	16 43 36	+ 3 27.50	+ 3 37.9	3	22 24 21.02	+ 10 52 9.7	—0.90 —8.4	9

Luoghi medii delle stelle di confronto.

*	α 1888.0	δ 1888.0	Autorità	*	α 1888.0	δ 1888.0	Autorità
1	21 ^h 3 ^m 8 ^s 95	— 21° 0' 16".3	B.A.C. 7343	6	21 ^h 46 ^m 18 ^s 17	— 1° 48' 38".0	W ₁ 21 ^h 1050
2	21 21 35.11	— 12 9 1.2	B.A.C. 7451	7	21 54 16.19	+ 0 23 14.9	W ₁ 21 ^h 1225
3	21 30 53.28	— 10 40 29.4	Lal. 42058	8	22 15 45.23	+ 8 3 33.5	W ₁ 22 ^h 279
4	21 34 26.20	— 6 52 37.1	Lam ₃ 4345	9	22 20 54.42	+ 10 48 40.2	W ₁ 22 ^h 408
5	21 38 45.15	— 4 32 1.8	Lam ₃ 4367				

Annotazioni.

Marzo 16. Cometa visibile ad occhio nudo: coda lunga 2°, diretta a Lal. 41529 a 16^h 41^m. Nucleo un poco meno luminoso di 18 Aquarii di 6^a. Nello spettro lineare del

nucleo si distingue bene il rosso: tracce delle bande degli idrocarburi. A 17^h 48^m la cometa scompare per il chiarore dell'aurora.