

# Osservazioni della Cometa 1888 I

fatte nel R. Osservatorio di Capodimonte, all' Equat. di Bishop (7 pollici) col micrometro a croce da *Francesco Contarino*.

1888	T. m. Nap.	$\Delta\alpha$	$\Delta\delta$	Cfr.	$\alpha$ app.	$p.\Delta$	$\delta$ app.	$p.\Delta$	Red. ad l. app.	*
Aprile 25	15 <sup>h</sup> 5 <sup>m</sup> 4	+0 <sup>m</sup> 45 <sup>s</sup> 52	— 6' 34".3	3	23 <sup>h</sup> 10 <sup>m</sup> 55 <sup>s</sup> 38	—0.487	+23° 41' 56".6	+5".14	—0.71 —10.8	1
28	15 5.3	—1 34.37	— 4 7.4	2	23 18 26.25	—0.493	+25 29 55.2	+4.91	—0.67 —11.1	2
Magg. 9	15 19.8	+0 52.09	+ 6 48.6	5	23 44 3.62	—0.511	+31 12 56.9	+4.19	—0.50 —11.8	3
14	15 38.1	+0 18.50	— 7 16.5	4	23 54 42.63	—0.506	+33 26 35.6	+3.59	—0.42 —12.0	4
14	15 38.1	—0 57.56	+ 1 39.2	4	23 54 40.85	—0.506	+33 26 32.1	+3.59	—0.42 —12.0	5
25	14 15.6	—0 4.76	+ 7 35.5	6	0 15 36.07	—0.563	+37 41 22.3	+4.27	—0.20 —12.2	6
Giug. 4	14 37.5	+7 6.00	+ 5 56.4	2	0 31 58.71	—0.571	+40 59 57.5	+3.19	+0.18 —12.2	7
13	13 2.0	—1 4.94	+ 0 20.0	5	0 44 15.81	—0.616	+43 36 0.7	+4.40	+0.29 —12.2	8

## Stelle di confronto.

*	$\alpha$ 1888.0	$\delta$ 1888.0	Autorità	*	$\alpha$ 1888.0	$\delta$ 1888.0	Autorità
1	23 <sup>h</sup> 10 <sup>m</sup> 10 <sup>s</sup> 57	+23° 48' 51".7	W <sub>2</sub> 23 <sup>h</sup> 16 <sup>m</sup> 12	5	23 <sup>h</sup> 55 <sup>m</sup> 38 <sup>s</sup> 83	+33° 25' 4".9	W <sub>2</sub> 23 <sup>h</sup> 11 <sup>m</sup> 45
2	23 20 1.29	+25 34 13.7	W <sub>2</sub> 23 <sup>h</sup> 377	6	0 15 41.03	+37 33 59.0	Par. 353
3	23 43 12.03	+31 6 20.1	W <sub>2</sub> 23 <sup>h</sup> 890	7	0 24 52.53	+40 54 13.3	Par. 587
4	23 54 24.55	+33 34 6.1	W <sub>2</sub> 23 <sup>h</sup> 1103	8	0 45 20.46	+43 35 52.9	Par. 1063

## Annotazioni.

1. Ogni paragone è il risultato di due osservazioni agli angoli adiacenti del micrometro.
2. Il 13 Giugno la cometa era molto debole e le osservazioni furono difficili.

# Observations de la Comète 1888 I

faites à l'Equatorial de 14 pouces de l'Observatoire de Bordeaux.

1888	T. m. Bord.	$\Delta$ AR.	$\Delta$ DP.	Obs.	AR. app.	$\log p.\Delta$	DP. app.	$\log p.\Delta$	Red. ad l. app.	*
Avril 4	16 <sup>h</sup> 21 <sup>m</sup> 23 <sup>s</sup> 3	+5 <sup>m</sup> 27 <sup>s</sup> 50	—10' 41".35	GR	—	9.611 <sub>n</sub>	—	0.777 <sub>n</sub>	—0.94 + 7.56	1
5	16 1 18.0	+5 3.53	— 1 13.88	»	22 <sup>h</sup> 15 <sup>m</sup> 27 <sup>s</sup> 71	9.611 <sub>n</sub>	81° 59' 30".1	0.780 <sub>n</sub>	—0.93 + 7.81	2
6	16 16 0.7	+0 57.01	— 6 24.46	FC	22 18 28.01	9.615 <sub>n</sub>	81 0 4.8	0.773 <sub>n</sub>	—0.94 + 8.03	3
8	15 49 57.1	+3 27.50	— 3 31.91	GR	22 24 21.16	9.629 <sub>n</sub>	79 7 57.1	0.776 <sub>n</sub>	—0.89 + 8.41	4
23	15 37 20.3	+3 8.78	— 3 15.07	FC	23 5 56.86	9.655 <sub>n</sub>	67 31 32.5	0.727 <sub>n</sub>	—0.72 + 10.51	5
Mai 5	13 58 38.2	+3 26.19	+ 8 4.04	GR	23 35 5.05	9.679 <sub>n</sub>	60 43 32.7	0.777 <sub>n</sub>	—0.55 + 11.24	6
6	14 5 10.6	—5 28.53	+ 7 42.97	»	23 37 23.77	9.683 <sub>n</sub>	60 13 34.7	0.766 <sub>n</sub>	—0.58 + 11.54	7
12	14 13 41.5	+3 13.66	+ 2 23.02	FC	23 50 29.63	9.700 <sub>n</sub>	57 25 51.4	0.744 <sub>n</sub>	—0.43 + 11.85	8
12	14 13 41.5	—3 39.50	— 3 36.12	»	23 50 29.70	9.700 <sub>n</sub>	57 25 34.1	0.744 <sub>n</sub>	—0.47 + 11.81	9
Juin 1	11 28 1.8	—4 6.22	+ 5 1.51	»	0 27 13.22	9.660 <sub>n</sub>	49 58 34.2	0.848 <sub>n</sub>	—0.06 + 12.29	10
2	12 42 5.4	+5 27.55	— 8 37.62	GR	0 28 52.66	9.729 <sub>n</sub>	49 38 2.8	0.764 <sub>n</sub>	+0.03 + 12.21	11
3	12 23 46.7	+1 26.19	+ 4 53.22	»	0 30 24.12	9.723 <sub>n</sub>	49 19 49.8	0.784 <sub>n</sub>	+0.03 + 12.27	12
10	13 20 1.8	+2 58.02	+ 4 3.09	»	0 40 18.91	9.763 <sub>n</sub>	46 56 24.4	0.659 <sub>n</sub>	+0.23 + 12.26	13
11	12 43 50.8	+4 24.50	— 4 43.02	»	0 41 45.43	9.758 <sub>n</sub>	46 47 38.2	0.718 <sub>n</sub>	+0.27 + 12.18	13
18	12 35 16.6	—1 47.02	+ 2 52.24	»	0 50 9.95	9.773 <sub>n</sub>	45 3 31.5	0.698 <sub>n</sub>	+0.44 + 12.04	14
Juill. 1	11 17 42.5	+1 25.78	— 0 51.85	»	1 1 44.55	9.785 <sub>n</sub>	41 56 30.3	0.736 <sub>n</sub>	+0.92 + 11.33	15
7	10 43 24.1	—2 52.53	+ 4 35.33	»	1 5 11.84	9.785 <sub>n</sub>	40 39 28.6	0.749 <sub>n</sub>	+1.14 + 10.98	16
8	11 30 33.5	—2 24.40	— 8 28.46	»	1 5 40.01	9.811 <sub>n</sub>	40 26 24.7	0.663 <sub>n</sub>	+1.18 + 10.82	16
9	10 40 29.8	+3 11.70	+ 6 20.53	FC	1 6 3.19	9.793 <sub>n</sub>	40 14 58.0	0.745 <sub>n</sub>	+1.20 + 10.64	17
11	11 16 59.9	+4 4.50	— 2 39.71	GR	1 6 46.63	9.815 <sub>n</sub>	39 50 34.3	0.666 <sub>n</sub>	+1.36 + 10.36	18
12	11 10 14.2	+3 6.44	+ 3 53.34	FC	1 7 5.09	9.816 <sub>n</sub>	39 39 7.7	0.670 <sub>n</sub>	+1.40 + 10.30	19

Les initiales GR désignent M. G. Rayet.

» » FC » M. F. Courty.

## Positions moyennes des étoiles de comparaison pour 1888.0.

*	AR. 1888.0	DP. 1888.0	Autorité	*	AR. 1888.0	DP. 1888.0	Autorité
1	22 <sup>h</sup> 7 <sup>m</sup> 4 <sup>s</sup>	83° 9'	DM. +6°49'84	11	0 <sup>h</sup> 23 <sup>m</sup> 25 <sup>s</sup> .08	49° 46' 28".22	W <sub>2</sub> 0 <sup>h</sup> 546-7
2	22 10 25.11	82 0 26".14	Gl. 5759	12	0 28 57.90	49 14 44.30	W <sub>2</sub> 0 <sup>h</sup> 689
3	22 17 31.94	81 6 21.21	1/2(LL.43671-2+Arm <sub>2</sub> 3008)	13	0 37 20.66	46 52 9.03	W <sub>2</sub> 0 <sup>h</sup> 938-9
4	22 20 54.55	79 11 20.56	W <sub>1</sub> 22 <sup>h</sup> 408	14	0 51 56.97	45 0 27.25	Paris 1229
5	23 2 48.80	67 34 37.08	W <sub>2</sub> 22 <sup>h</sup> 1400	15	1 0 17.85	41 57 10.78	BB.VI +47°309
6	23 31 39.41	60 35 17.39	W <sub>2</sub> 23 <sup>h</sup> 645	16	1 8 3.23	40 34 42.32	AOe. 1271
7	23 42 52.88	60 5 40.21	W <sub>2</sub> 23 <sup>h</sup> 883	17	1 2 50.29	40 8 26.63	BB.VI +49°307
8	23 47 16.40	57 23 16.57	W <sub>2</sub> 23 <sup>h</sup> 966	18	1 2 40.77	39 53 3.63	AOe. 1138
9	23 54 29.67	57 28 58.45	W <sub>2</sub> 23 <sup>h</sup> 1106	19	1 3 57.25	39 35 4.07	1/2(AOe.1166-7+Rad <sub>1</sub> 351)
10	0 31 19.50	49 53 20.35	W <sub>2</sub> 0 <sup>h</sup> 759				

Bordeaux 1888 Sept. 30.

G. Rayet.

## Beobachtungen des Cometen 1888 III (Brooks Aug. 7)

angestellt am Repsold'schen Fadenmikrometer des Grubb'schen 12 inch. Aequatoreals  
seiner Privatsternwarte in Dresden von Dr. B. von Engelhardt.

1888	M.Z. Dresd.	$\Delta\alpha$	$\Delta\delta$	Vgl.	$\alpha$ app.	$\log p.\Delta$	$\delta$ app.	$\log p.\Delta$	Red. ad l. app.	*
Sept. 12	9 <sup>h</sup> 10 <sup>m</sup> 36 <sup>s</sup>	-3 <sup>m</sup> 36".26	+10' 19".2	15.5	14 <sup>h</sup> 16 <sup>m</sup> 30 <sup>s</sup> .17	9.624	+28° 20' 38".6	0.799	-0°.05 +9°.0	1
23	7 33 6	+1 28.90	—	24	15 4 41.54	9.570	—	—	+0.13 —	2
23	7 34 25	—	- 2 30.7	7	—	—	+19 54 12.6	0.764	— +8.9	2

Mittlere Oerter der Vergleichsterne für 1888.0.

*	$\alpha$ (Wolfers)	$\delta$ (Auwers)	Autorität
1	14 <sup>h</sup> 20 <sup>m</sup> 6".48	+28° 10' 10".4	B. Z. 464
2	15 3 12.51	+19 56 34.4	B. Z. 290, 294

## Bemerkungen.

Sept. 12. Nebel und Mondschein. Der Comet ist schwach, klein, rund. Granulirte Verdichtung. Kleines sternartiges Kernchen  
» 23. Klein, rund, ziemlich hell, sternartiger Kern. Ich glaube den von mir am 29. August beobachteten Schweif, welcher dem Kerne voranging, auch heute wahrzunehmen. Jedenfalls ist es sicher, dass kein dem Kerne nachfolgender Schweif vorhanden ist. Luft dunstig.

Dresden 1888 Oct. 3.

Dr. B. von Engelhardt.

## Filar Micrometer Observations of Comet 1889... (Barnard 1888 Sept. 2)

made with the 15 1/2 inch. Equatorial of the Washburn Observatory by H. V. Egbert.

(Communicated by Geo. C. Comstock, Director.)

1888	Mad. M. T.	$\Delta\alpha$	$\Delta\delta$	Cp.	$\alpha$ app.	$\log p.\Delta$	$\delta$ app.	$\log p.\Delta$	Red. ad l. app.	*
Sept. 4	16 <sup>h</sup> 25 <sup>m</sup> 42 <sup>s</sup>	-2 <sup>m</sup> 42".52	+ 5' 13".8	2.3	6 <sup>h</sup> 52 <sup>m</sup> 5 <sup>s</sup> .05	9.534 <sub>n</sub>	+10° 52' 6".6	0.710	+0°.60 -0°.8	1
5	16 12 33	-2 48.95	+ 1 15.5	3.5	6 51 58.65	9.518 <sub>n</sub>	+10 48 8.3	0.707	+0.63 -0.8	1
6	16 11 31	-2 56.49	- 2 49.6	3.6	6 51 51.14	9.524 <sub>n</sub>	+10 44 3.2	0.708	+0.66 -0.8	1
8	16 32 42	-0 20.69	- 2 33.0	5.6	6 51 31.99	9.564 <sub>n</sub>	+10 35 34.0	0.719	+0.70 -0.7	2
12	16 3 32	+0 18.29	+11 43.4	7.6	6 50 35.23	9.546 <sub>n</sub>	+10 17 45.7	0.717	+0.83 -0.6	3