Observations of Comet Pons-Brooks

made at the Naval Observatory, Washington, with the 9.6 inch Equatorial

Observers: W. T. Sampson, E. Frisby and J. Garrin.

[Communicated by Rear-Admiral *Shufeldt*, Superintendent.]

1883	Wash. M. T.	$\Delta\alpha$	$\Delta\delta$	Comp.	α app.	$\log p.\Delta$	δ app.	$\log p.\Delta$	Obs.	*
Dec. 2	7 ^h 17 ^m 52 ^s	+3 ^m 7 ^s 89	— 6' 42" 0	10.2	18 ^h 40 ^m 28 ^s 43	9.816	+46° 8' 26" 8	0.483	S	1
3	5 52 13	+3 3.61	— 9 58.0	20.4	18 44 47.52	9.754	45 51 7.2	0.121	S	2
3	7 12 7	+3 18.65	— 11 4.5	15.3	18 45 2.56	9.812	45 50 0.8	0.466	F	2
4	7 35 1	— 3 7.85	+ 9 7.1	5.1	18 49 48.99	9.815	45 30 33.3	0.535	S	3
5	5 40 43	+1 17.51	— 9 41.7	25.5	18 54 14.34	9.733	45 11 44.2	0.064	S	3
6	6 13 51	— 0 7.34	+ 1 0.1	22.5	18 59 16.25	9.766	44 49 55.3	0.253	F	4
6	6 42 17	— 0 1.00	+ 0 30.6	25.5	18 59 22.59	9.788	44 49 25.8	0.371	G	4
6	7 18 11	+0 6.59	0 0.0	25.5	18 59 30.18	9.805	44 48 55.2	0.489	G	4
9	7 39 14	+6 14.00	+ 4 4.8	25.5	19 15 8.30	9.801	43 36 50.3	0.549	S	5
10	5 45 43	— 0 6.13	+ 2 20.9	25.5	19 20 9.53	9.717	43 12 25.1	0.136	S	6
10	5 56 30	— 0 56.33	— 5 49.7	15.3	19 20 11.69	9.730	43 12 4.8	0.192	S	7
11	7 41 26	+4 24.95	+ 7 41.7	15.3	19 26 10.25	9.794	42 41 43.1	0.555	F	8
12	5 51 48	+1 34.18	— 6 40.7	25.5	19 31 25.35	9.714	42 13 48.3	0.184	S	9
12	6 36 4	+0 42.35	+ 3 4.8	20.4	19 31 35.51	9.758	42 12 54.1	0.365	F	10
13	5 40 54	— 2 39.59	+ 12 10.1	20.4	19 37 12.08	9.693	41 42 10.3	0.139	S	11
17	5 46 40	+0 34.91	+ 5 4.0	20.4	20 1 45.41	9.672	39 12 24.5	0.211	S	12
17	6 41 18	+0 47.76	+ 3 30.7	25.5	20 1 58.26	9.734	39 10 51.1	0.401	F	12
18	7 12 27	— 0 34.98	+ 0 51.2	25.5	20 8 34.32	9.750	38 26 2.0	0.490	F	13
21	5 50 57	+1 50.58	— 0 16.7	25.5	20 28 8.54	9.644	36 0 14.6	0.281	S	14
21	5 50 57	+3 14.29	— 4 6.6	25.5	20 28 8.44		36 0 13.9		S	15
21	6 48 15	+3 29.27	— 6 34.7	10.2	20 28 23.41	9.703	35 57 45.8	0.446	F	15
21	6 50 56	+2 6.93	— 2 46.8	15.3	20 28 24.89		35 57 44.5		F	14
25	7 1 42	+2 49.12	— 8 4.2	20.4	20 56 19.35	9.692	31 52 30.6	0.503	S	16
25	7 13 12	+1 6.67	— 11 23.8	15.3	20 56 23.03	9.702	31 52 0.7	0.525	S	17
27	5 59 2	+2 19.93	— 14 5.0	20.4	21 10 19.36	9.596	29 31 14.8	0.406	S	18
27	6 19 25	+2 12.96	— 2 35.9	20.4	21 10 25.00	9.627	29 30 10.8	0.444	S	19
28	5 48 3	+1 52.96	— 6 42.2	20.4	21 17 26.78	9.549	28 14 2.1	0.393	S	20
28	7 8 47	+1 19.68	+ 4 46.2	20.4	21 17 51.60	9.674	+28 9 30.8	0.543	F	21

Mean Places of the Comparison Stars.

*	α 1883.0	δ 1883.0	Authority	*	α 1883.0	δ 1883.0	Authority
1	18 ^h 37 ^m 20 ^s 35	+46° 14' 48" 3	BB. VI	11	19 ^h 39 ^m 50 ^s 75	+41° 29' 34" 7	Yarnall
2	18 41 43.67	46 0 44.4	1/2 (AOe. + Radcl.)	12	20 1 9.29	39 6 53.8	Weisse
3	18 52 56.48	45 21 4.2	BB. VI	13	20 9 8.00	38 24 43.6	Weisse
4	18 59 23.16	44 48 32.9	Weisse	14	20 26 16.44	36 0 3.5	Weisse
5	19 8 53.74	43 32 22.9	Weisse	15	20 24 52.64	36 3 52.8	Yarnall
6	19 20 14.99	43 9 40.3	Weisse	16	20 53 28.37	32 0 6.2	Weisse
7	19 21 7.35	43 17 30.5	Weisse	17	20 55 14.49	32 2 55.7	BB. VI
8	19 21 44.60	42 33 37.7	1/3 (W. + Rad. + Rümck.)	18	21 7 57.40	29 44 50.9	Am. Eph.
9	19 29 50.39	42 20 4.4	BB. VI	19	21 8 10.00	29 32 17.7	BB. VI
10	19 30 52.36	+42 9 24.6	1/8 (Gr. + Rümck. + Rad. + 2 Y. + Wash. 1874 + 2 Wash. 1875)	20	21 15 31.69	28 20 15.3	Weisse
				21	21 16 29.78	+28 4 15.5	Weisse

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