

Baanelementen

12P/Pons-Brooks – MPEC2023-W26

Epoch 2023 Sept. 13.0 TT = JDT 246 0200.5

Perihelium T = 2024 Apr 21.12726 TT Argument perihelium $\omega = 198.98683^\circ$

Perihelium q = 0.7808693 AE Lengte klimmende knoop $\Omega = 255.85463^\circ$

Excentriciteit e = 0.9545786 Inclinatie $i = 74.19070^\circ$

Periode P = 71.3 jaar

Absolute Magnitude $H_0 = 4.5$ Activity index $n = 5$

Uit 4875 waarnemingen 2023 feb. 27-nov. 18, gemiddelde afwijking $0''.6$

Efemeride

Bron: <http://ssd.jpl.nasa.gov/horizons.cgi#top>

Rechte klimming en declinatie voor 0h UT en Epoch 2000.0 voor een waarnemer in Utrecht. Hoogte en azimut aan de avond- en ochtendhemel bij een zonshoogte van -12° . Helderheidsverwachting volgens helderheidswaarden $H_0 = 4,5$ en $n = 5$.

Elong. is de elongatie t.o.v de zon en PA_{strt} is de positiehoek die de staart maakt met het noorden.

12P/Pons-Brooks

Datum 0h UT	α h m	δ $^\circ$ ' "	Elong. $^\circ$	r AE	Δ AE	m_1	PA_{strt} $^\circ$	Ochtend h $^\circ$ az $^\circ$	Avond h $^\circ$ az $^\circ$
01 Jan	19 36.7	+37 44.7	62.2	1.999	2.260	10.0	14	27 62	43 280
06 Jan	19 51.0	+37 47.8	61.4	1.935	2.202	9.8	12	28 63	41 282
11 Jan	20 6.4	+37 53.0	60.6	1.870	2.145	9.6	11	28 64	40 283
16 Jan	20 22.7	+37 59.6	59.7	1.804	2.088	9.3	9	29 64	38 285
21 Jan	20 40.1	+38 6.5	58.7	1.739	2.033	9.0	8	28 63	37 287
26 Jan	20 58.7	+38 12.4	57.6	1.672	1.979	8.8	8	28 63	36 288
31 Jan	21 18.4	+38 15.7	56.3	1.606	1.928	8.5	8	27 62	35 290
05 Feb	21 39.2	+38 14.5	54.9	1.540	1.879	8.2	8	26 60	34 291
10 Feb	22 1.3	+38 6.8	53.3	1.473	1.833	7.9	9	25 59	33 292
15 Feb	22 24.4	+37 50.2	51.5	1.407	1.791	7.6	10	23 57	32 292
20 Feb	22 48.4	+37 22.4	49.5	1.341	1.753	7.3	12	21 55	31 292
26 Feb	23 18.2	+36 30.8	46.8	1.263	1.713	6.9	15	18 53	30 292
27 Feb	23 23.2	+36 20.0	46.4	1.250	1.707	6.9	16	17 52	30 292
28 Feb	23 28.3	+36 8.6	45.9	1.237	1.701	6.8	16	17 52	29 292
29 Feb	23 33.4	+35 56.5	45.4	1.224	1.695	6.7	17	16 52	29 292
01 Mar	23 38.4	+35 43.7	44.9	1.211	1.690	6.7	18	16 51	29 292
02 Mar	23 43.5	+35 30.2	44.4	1.198	1.685	6.6	18	15 51	29 292
03 Mar	23 48.6	+35 15.9	43.9	1.186	1.680	6.6	19	15 50	28 292
04 Mar	23 53.7	+35 1.0	43.4	1.173	1.675	6.5	20	14 50	28 292
05 Mar	23 58.8	+34 45.3	42.9	1.160	1.670	6.4	21	13 49	28 292
06 Mar	3.9	+34 28.9	42.4	1.148	1.666	6.4	21	13 49	28 292
07 Mar	9.0	+34 11.8	41.8	1.135	1.662	6.3	22	12 49	27 292
08 Mar	14.1	+33 53.9	41.3	1.123	1.658	6.2	23	12 48	27 291
09 Mar	19.2	+33 35.3	40.8	1.111	1.654	6.2	24	11 48	27 291
10 Mar	24.3	+33 15.9	40.2	1.099	1.650	6.1	25	10 47	26 291
11 Mar	29.4	+32 55.7	39.7	1.086	1.647	6.0	26	10 47	26 291
12 Mar	34.4	+32 34.8	39.1	1.074	1.644	6.0	26	9 46	26 291
13 Mar	39.4	+32 13.1	38.6	1.063	1.640	5.9	27	8 46	25 291
14 Mar	44.4	+31 50.7	38.0	1.051	1.638	5.8	28	7 45	25 291
15 Mar	49.4	+31 27.5	37.4	1.039	1.635	5.8	29	7 45	25 290

16 Mar	54.4	+31 3.5	36.9	1.028	1.632	5.7	30	6 45	24 290
17 Mar	59.3	+30 38.8	36.3	1.016	1.630	5.6	31	5 44	24 290
18 Mar	1 4.3	+30 13.4	35.7	1.005	1.628	5.6	33	5 44	23 290
19 Mar	1 9.1	+29 47.2	35.2	0.994	1.626	5.5	34	4 43	23 290
20 Mar	1 14.0	+29 20.2	34.6	0.983	1.624	5.5	35	3 43	22 290
21 Mar	1 18.8	+28 52.6	34.0	0.972	1.622	5.4	36	2 43	22 290
22 Mar	1 23.6	+28 24.2	33.5	0.962	1.620	5.3	37	2 42	21 289
23 Mar	1 28.3	+27 55.1	32.9	0.951	1.619	5.3	39	1 42	21 289
24 Mar	1 33.0	+27 25.3	32.3	0.941	1.618	5.2	40	0 41	20 289
25 Mar	1 37.7	+26 54.9	31.8	0.931	1.617	5.2	41	- 1 41	20 289
26 Mar	1 42.3	+26 23.7	31.2	0.921	1.615	5.1	43	- 2 40	19 289
27 Mar	1 46.9	+25 51.9	30.7	0.912	1.615	5.0	44	- 2 40	19 289
28 Mar	1 51.5	+25 19.5	30.1	0.903	1.614	5.0	46	- 3 40	18 289
29 Mar	1 56.0	+24 46.4	29.6	0.894	1.613	4.9	47	- 4 39	17 288
30 Mar	2 0.4	+24 12.7	29.1	0.885	1.612	4.9	49	- 5 39	17 288
31 Mar	2 4.9	+23 38.5	28.6	0.876	1.612	4.8	50	- 6 38	16 288
01 Apr	2 9.2	+23 3.6	28.1	0.868	1.611	4.8	52	- 6 38	15 288
02 Apr	2 13.6	+22 28.2	27.6	0.860	1.611	4.7	54	- 7 38	15 288
03 Apr	2 17.8	+21 52.3	27.1	0.852	1.611	4.7	56	- 8 37	14 288
04 Apr	2 22.1	+21 15.8	26.6	0.845	1.611	4.6	57	- 9 37	13 288
05 Apr	2 26.3	+20 38.8	26.2	0.838	1.610	4.6	59	-10 37	13 288
06 Apr	2 30.4	+20 1.3	25.8	0.832	1.610	4.5	61	-10 36	12 288
07 Apr	2 34.5	+19 23.4	25.4	0.825	1.610	4.5	63	-11 36	11 288
08 Apr	2 38.6	+18 45.0	25.0	0.819	1.610	4.5	65	-12 35	10 288
09 Apr	2 42.6	+18 6.3	24.6	0.814	1.610	4.4	68	-13 35	9 288
10 Apr	2 46.6	+17 27.1	24.3	0.809	1.609	4.4	70	-14 35	9 288
11 Apr	2 50.5	+16 47.5	24.0	0.804	1.609	4.3	72	-15 34	8 288
12 Apr	2 54.4	+16 7.6	23.7	0.800	1.609	4.3	74	-16 34	7 288
13 Apr	2 58.3	+15 27.3	23.4	0.796	1.609	4.3	77	-16 34	6 288
14 Apr	3 2.1	+14 46.7	23.2	0.792	1.609	4.3	79	-17 33	5 288
15 Apr	3 5.8	+14 5.8	23.0	0.789	1.608	4.2	82	-18 33	4 288
16 Apr	3 9.6	+13 24.7	22.9	0.787	1.608	4.2	84	-19 33	3 288
17 Apr	3 13.2	+12 43.3	22.8	0.785	1.608	4.2	87	-20 32	3 288
18 Apr	3 16.9	+12 1.6	22.7	0.783	1.607	4.2	89	-21 32	2 288
19 Apr	3 20.5	+11 19.8	22.6	0.782	1.607	4.2	92	-21 32	1 288
20 Apr	3 24.1	+10 37.8	22.6	0.781	1.606	4.2	95	-22 31	0 288
Perih. Apr	3 27.7	+ 9 55.6	22.7	0.781	1.605	4.2	97	-23 31	- 1 288