

### Komety przechodzące przez perihelium w 2025 roku

Nazwa	q	e	i	a	P	H(0)	T <sub>0</sub>	m <sub>max</sub>
P/Mueller (136P)	2.958	0.2932	9.427	4.186	8.56	11	I 3.2618	18.2
Sarneczky (C/2024 N4)	5.398	1.0044	49.771	—	—	7.5	9.8467	18.2
P/Catalina (367P)	2.528	0.2800	8.460	3.511	6.58	17.5	11.5886	20.8
Catalina (P/2011 CR42)	2.528	0.2801	8.459	3.511	6.58	9	12.0715	14.4
ATLAS (C/2024 G3)	0.094	1.0000	116.846	—	—	9	13.4293	-1.3
P/SingerBrewster (105P)	2.052	0.4090	9.168	3.472	6.47	11.5	22.7778	17.8
Fuls (C/2023 T3)	3.548	0.9954	27.222	771	21 tys.	8.5	25.3436	16.2
P/Spacewatch (366P)	2.280	0.3485	8.857	3.499	6.55	15	30.9210	19.6
P/LINEAR (249P)	0.499	0.8194	8.385	2.765	4.60	15.5	II 1.6942	13.3
ATLAS (C/2023 F3)	5.191	1.0040	145.963	—	—	6	2.6535	16.4
P/LINEAR (236P)	1.828	0.5092	16.356	3.725	7.19	14	3.8001	18.6
ATLAS (C/2024 G7)	6.028	1.0018	131.519	—	—	7	10.2328	18.5
Spacewatch-PANSTARRS (P/2011 UA134)	2.075	0.6304	10.439	5.614	13.30	17.5	15.4053	21.8
P/2023 S1	2.620	0.3188	9.156	3.846	7.54	11.5	24.0725	16.8
P/Johnson (48P)	2.007	0.4267	12.201	3.500	6.55	10	III 2.6431	16.9
Catalina (P/2019 Y3)	0.931	0.6912	24.597	3.016	5.24	18.5	3.1729	15.8
PANSTARRS (C/2024 Q3)	2.091	1.0014	121.375	—	—	15	5.2376	19.8
P/Gibbs (229P)	2.440	0.3779	26.097	3.923	7.77	13	5.7331	19.2
P/Lemmon-PANSTARRS (302P)	3.289	0.2296	6.035	4.269	8.82	12.5	9.4177	19.7
Vales (P/2010 H2)	3.076	0.1975	14.280	3.833	7.50	6	9.6413	12.5
Hill (P/2010 A3)	1.621	0.7344	14.815	6.102	15.07	14	10.3026	16.8
PANSTARRS (C/2024 C2)	8.991	0.4451	27.284	16.203	65.22	6	10.3953	20.1
ATLAS (C/2024 L5)	3.432	1.0373	166.573	—	—	9	10.4681	16.3
P/SOHO (323P)	0.040	0.9846	5.327	2.584	4.15	20	14.2956	6.7
PANSTARRS (C/2024 T3)	3.714	0.9563	53.498	84.978	783.35	11.5	15.8262	19.9
Wierchos (C/2024 J2)	1.811	0.9878	79.297	148	1800	11.5	19.7737	16.2
P/Giacobini-Zinner (21P)	1.009	0.7111	32.050	3.492	6.53	9	25.3534	10.6
P/Wiegert-PANSTARRS (351P)	3.132	0.2947	12.775	4.441	9.36	12.5	26.3391	19.2
P/Leonard (486P)	2.309	0.3637	2.210	3.629	6.91	14.5	IV 3.8560	19.6
P/SOHO (323P-C)	0.040	0.9848	5.340	2.611	4.22	27	7.1029	13.1
P/Arend-Rigaux (49P)	1.431	0.5990	19.059	3.569	6.74	11.3	10.6311	14.5
Sarneczky (C/2024 N3)	5.015	1.0009	88.729	—	—	8	11.3496	18.5
P/Blanpain (289P)	0.954	0.6865	5.900	3.044	5.31	19	14.3204	20.0
P/PANSTARRS (456P)	2.802	0.1169	16.969	3.173	5.65	13.5	15.2737	19.4
P/Gibbs (341P)	2.506	0.4153	3.796	4.286	8.87	12.5	22.6830	18.2
PANSTARRS (C/2024 L1)	5.348	0.5334	99.171	11.462	38.80	10	23.4742	20.5
Lemmon (C/2024 J4)	5.695	0.9989	117.535	5200	375 tys.	8	26.1131	19.1
P/Neujmin 2 (25D)	1.448	0.5506	2.808	3.223	5.79	12.5	V 11.3858	15.6
PANSTARRS (P/2015 X6)	2.274	0.1737	4.565	2.752	4.56	16	11.7326	21.3
PANSTARRS (C/2023 X7)	4.821	1.0026	69.059	—	—	9	14.9698	18.9
PANSTARRS (P/2016 G1)	2.041	0.2101	10.970	2.584	4.15	14	16.1658	17.6
P/Larson (250P)	2.272	0.3989	13.154	3.779	7.35	14.5	16.8614	19.5
P/LINEAR (217P)	1.226	0.6892	12.865	3.945	7.84	12	24.9335	14.4
P/Christensen (164P)	1.675	0.5412	16.277	3.652	6.98	11	27.3946	15.4
PANSTARRS (C/2024 L2)	8.326	0.9820	139.487	462	10 tys.	7.5	VI 13.2773	19.2
ATLAS (C/2024 A1)	3.875	1.0015	94.447	—	—	7	13.7085	15.7
ATLAS (C/2024 G2)	5.346	0.9940	122.130	890	27 tys.	7	13.7615	17.6
Broughton (P/2005 T5)	3.254	0.5520	21.383	7.263	19.57	11	14.8676	18.2
P/Gunn (65P)	2.926	0.2481	9.176	3.892	7.68	5	16.6467	13.4
P/Biela (3D)	0.823	0.7675	7.888	3.539	6.66	11	26.206	11.1
P/Biela (3D-B)	0.822	0.7678	7.880	3.540	6.66	11	28.0818	11.0
Lemmon (C/2023 H5)	4.313	1.0004	97.859	—	—	7	30.1935	16.3

Nazwa	q	e	i	a	P	H(0)	T <sub>0</sub>	m <sub>max</sub>
McNaught (P/2005 J1)	1.540	0.5692	31.741	3.574	6.76	16.5	VII 11.7206	18.3
Lemmon (C/2023 V1)	5.093	1.0001	102.013	—	—	8.5	13.0463	19.0
P/Tsuchinshan (60P)	1.645	0.5338	3.581	3.529	6.63	11.5	20.6760	16.9
PANSTARRS (C/2022 N2)	3.826	1.0035	5.503	—	—	6	31.7051	14.3
P/LINEAR (306P)	1.273	0.5926	8.303	3.125	5.52	19	VIII 1.6389	19.2
P/Hill (195P)	4.441	0.3121	36.423	6.457	16.41	8.5	4.3224	17.9
P/Wolf-Harrington (43P)	2.442	0.4359	9.334	4.329	9.01	8	5.0630	16.1
NEAT (P/2003 QX29)	4.229	0.4715	11.399	8.002	22.64	8.5	7.1111	17.3
P/LINEAR (294P)	1.277	0.6004	18.159	3.194	5.71	15.5	11.7720	18.2
PANSTARRS (C/2022 R6)	6.566	1.0049	57.020	—	—	5	25.7897	17.1
P/Boattini (340P)	3.058	0.2802	2.079	4.248	8.76	14.3	29.2586	20.7
P/PANSTARRS (441P)	3.328	0.1949	2.575	4.133	8.40	13.5	IX 9.3979	20.7
ATLAS (C/2022 QE78)	5.478	1.0043	36.568	—	—	5	10.6457	15.8
P/Gibbs (248P)	2.158	0.6393	6.352	5.983	14.64	14	14.8918	18.3
P/Spahr (171P)	1.767	0.5027	21.951	3.552	6.69	13.5	25.0495	17.0
P/STEREO (414P)	0.524	0.8122	23.408	2.793	4.67	19	26.3381	16.6
P/ODAS (198P)	1.995	0.4448	1.339	3.594	6.81	9	X 9.6991	12.4
PANSTARRS (C/2024 N1)	4.398	1.0010	88.773	—	—	10.5	18.8504	20.2
Christensen (P/2016 A2)	3.460	0.2720	26.356	4.753	10.36	11.5	22.7783	18.9
P/Ashbrook-Jackson (47P)	2.807	0.3184	13.037	4.119	8.36	1	27.8880	14.9
LONEOS (P/1999 RO28)	1.123	0.6723	7.567	3.426	6.34	20	30.2718	18.9
P/WISE (317P)	1.267	0.5719	11.974	2.960	5.09	17.5	30.8887	20.2
McNaught (P/2012 O1)	1.440	0.5936	7.428	3.543	6.67	17.5	XI 1.1070	19.8
P/Yeung (172P)	3.358	0.2047	11.225	4.222	8.67	13	2.8939	20.3
PANSTARRS (P/2018 L1)	1.897	0.4813	10.579	3.657	6.99	15	5.8832	19.5
P/Vaisala (40P)	1.823	0.6325	11.636	4.961	11.05	5.5	11.5434	15.4
P/Christensen (210P)	0.525	0.8341	10.282	3.162	5.62	13.5	22.7070	9.1
Lemmon-PANSTARRS (P/2015 TO19)	2.912	0.3597	6.505	4.547	9.70	14	23.3830	20.1
LINEAR (P/2000 R2)	1.628	0.5307	11.680	3.469	6.46	18	XII 2.2862	21.4
P/Gibbs (313P)	2.422	0.2346	10.981	3.164	5.63	15	2.6429	19.8
P/Denning (489P)	1.561	0.6470	4.027	4.422	9.30	15.5	4.3923	17.9
P/PANSTARRS (469P)	3.005	0.3078	20.174	4.341	9.04	13.5	8.5002	20.6
P/SOHO (323P-B)	0.040	0.9861	5.459	2.889	4.91	26	16.2796	21.9
PANSTARRS (P/2019 S3)	1.807	0.4709	8.694	3.415	6.31	18.3	19.1260	21.8
P/NEAT (240P)	2.122	0.4504	23.537	3.861	7.59	11	19.9324	14.6
Catalina (P/1999 XN120)	3.298	0.2111	5.030	4.180	8.55	13.5	22.0890	17.9
P/Gibbs (331P)	2.879	0.0415	9.740	3.004	5.21	12	23.2536	18.0
Lemmon (C/2023 X2)	5.091	1.0012	76.998	—	—	8.5	27.3333	17.5
P/Larson (261P)	2.014	0.4229	6.073	3.490	6.52	14	27.3382	18.1

[Elementy orbit wg. <https://minorplanetcenter.net/iau/Ephemerides/Comets/Soft02Cmt.txt>, pobrane 9.11.2024]

**Oznaczenia w tabelach:**

- q – odległość komety od Słońca w peryhelium [au]
- e – mimośród orbity komety
- i – nachylenie orbity komety do płaszczyzny ekliptyki [°]
- a – wielka półoś orbity komety [au]
- P – okres obiegu komety wokół Słońca (w latach)
- H(0) – jasność absolutna komety (1 au od Ziemi i 1 au od Słońca) [m].
- T<sub>0</sub> – data przejścia komety przez peryhelium w 2025 roku
- m<sub>max</sub> – maksymalna spodziewana jasność komety [m]