Komety przechodzące przez peryhelium w 2023 roku

Nazwa	q	e	i	a	P	H(0)	T_0	m_{max}
Spacewatch (P/2013 YG46)	1.785	0.4546	7.858	3.274	5.92	10	I 6.2859	14.7
PANSTARRS (P/2022 O2)	1.757	0.7217	9.425	6.313	15.86	16	7.1093	19.9
P/LINEAR (285P)	1.719	0.6187	25.039	4.509	9.58	15	12.2927	19.0
ZTF (C/2022 E3)	**1.112**	**1.0003**	**109.169**	**—**	**—**	**7.5**	**12.7847**	**5.4**
ATLAS (C/2022 U2)	1.327	0.9872	48.249	104.08	1061.82	16	14.2118	16.0
Fuls (P/2021 V2)	3.497	0.6137	12.694	9.052	27.23	10	21.4136	17.5
PANSTARRS (C/2022 S3)	0.838	1.0004	78.552	—	—	17	21.6807	16.3
PANSTARRS (C/2021 P2)	5.069	0.998	150.063	2500	126 tys.	9	22.5802	19.4
P/Clark (71P)	1.589	0.4938	9.438	3.139	5.56	9.8	22.8022	14.8
P/Gibbs (263P)	1.236	0.5935	11.522	3.042	5.3	18	30.5795	16.6
P/Machholz (96P)	0.116	0.9616	57.504	3.03	5.28	13	31.0895	1.5
ATLAS (C/2022 Q2)	1.644	0.9496	151.485	32.588	186.03	13	31.6117	16.9
P/MOSS (281P)	4.034	0.1727	4.718	4.877	10.77	11	II 1.5644	19.5
PANSTARRS (C/2020 S4)	3.37	1.001	20.571	—	—	8.5	9.2474	14.6
PANSTARRS (C/2021 C5)	3.242	0.9989	50.782	2860	153 tys.	9	11.0774	16.6
PANSTARRS (C/2022 A2)	1.735	1.0004	108.147	—	—	9.5	18.2625	13.0
PANSTARRS (P/2017 S9)	2.191	0.3058	14.141	3.157	5.61	17	27.2085	22.5
PANSTARRS (P/2019 A4)	2.386	0.0871	13.306	2.613	4.22	15	III 3.1227	19.6
Leonard (C/2022 R3)	5.127	0.9997	43.076	18 tys.	2.5 mln.	9	5.4883	19.4
P/LINEAR (256P)	2.7	0.418	27.619	4.64	9.99	14	12.275	17.4
PANSTARRS (C/2019 U5)	3.624	1.0015	113.521	—	—	4.5	29.8895	12.2
P/Longmore (77P)	2.349	0.3519	24.319	3.624	6.9	7	IV 3.1693	15.1
A/2019 O2	9.683	0.8322	93.303	57.692	438.2	9.5	7.5122	19.2
P/Catalina (300P)	0.832	0.6917	5.674	2.699	4.43	16	11.108	16.2
P/LaSagra (279P)	2.148	0.3988	5.053	3.573	6.75	14	19.5998	19.1
P/Christensen (170P)	2.924	0.3047	10.123	4.205	8.62	12	19.9744	18.6
PANSTARRS (P/2014 A3)	3.472	0.2467	13.716	4.609	9.89	12	22.1742	19.7
Sheppard-Jewitt (P/2003 CC22)	4.178	0.427	6.423	7.292	19.69	9	25.8043	17.8
ATLAS (C/2021 Y1)	2.033	1.0009	77.188	—	—	7	30.697	12.1
P/NEAT (291P)	2.565	0.4356	6.303	4.544	9.69	13	V 4.2621	19.4
ZTF (C/2020 V2)	2.228	1.0009	131.611	—	—	4.9	8.5553	10.5
PANSTARRS (C/2020 K1)	3.073	<1.0000	89.666	512 tys.	3.7 mln	5.5	9.0694	12.4
Hill (P/2008 L2)	2.33	0.6135	25.868	6.028	14.8	12.5	11.0591	18.2
P/PANSTARRS (364P)	0.801	0.7218	12.135	2.88	4.89	17	14.0155	12.4
P/LINEAR (237P)	1.987	0.4342	14.016	3.512	6.58	14.5	14.6734	16.2
P/Russell (94P)	2.227	0.3653	6.188	3.509	6.57	9	21.1205	15.2
Maury-Attard (C/2021 X1)	3.234	0.9999	140.121	32 tys.	6 mln.	7	27.4793	14.3
Fuls (C/2021 Q4)	7.565	1.0033	71.473	—	—	6	VI 9.9862	18.9
P/Denning-Fujikawa (72P)	0.781	0.8187	10.949	4.308	8.94	17.5	15.8829	15.6
P/Oterma (39P)	5.711	0.2181	1.545	7.304	19.74	7	22.5036	21.8
P/Shoemaker-Holt (121P)	3.731	0.1861	20.165	4.584	9.81	6.5	28.3268	20.4
P/IRAS (126P)	1.711	0.6964	45.876	5.634	13.37	9	VII 5.3109	12.2
P/Christensen (287P)	3.034	0.2712	16.321	4.164	8.5	13.5	5.9154	19.9
Lemmon-PANSTARRS (P/2012 WA34)	3.072	0.3441	6.081	4.683	10.13	13.5	8.4479	20.5
P/NEAT (180P)	2.501	0.3532	16.861	3.866	7.6	11	12.3054	16.5
P/Petriew (185P)	0.93	0.6997	14.014	3.098	5.45	15	12.9138	15.6
P/PANSTARRS (347P)	2.213	0.3861	11.754	3.604	6.84	15	20.0718	19.2
Lemmon (C/2021 T4)	1.483	1.0002	160.765	—	—	7.5	31.4954	7.9
P/Larsen (280P)	2.64	0.4173	11.773	4.53	9.64	12.5	VIII 4.6956	18.1
P/Shoemaker (199P)	2.91	0.5055	24.934	5.885	14.28	10	7.5343	16.1
P/LINEAR (225P)	1.319	0.6385	21.367	3.648	6.97	18	8.0654	19.6
P/SOHO (322P)	0.05	0.98	11.467	2.508	3.97	19	21.0835	6.0
P/Gibbs (339P)	1.348	0.6356	5.733	3.699	7.12	17	30.976	20.0
P/PANSTARRS (426P)	2.673	0.1615	17.769	3.188	5.69	13.5	IX 13.4334	19.0
Tubbiolo (P/2005 E1)	4.402	0.3756	4.263	7.051	18.72	10	28.3301	19.3
Lemmon-ATLAS (C/2022 A3)	3.703	0.9961	88.352	953	29 tys.	8	28.8365	16.6
P/du Toit-Hartley (79P)	1.121	0.6191	3.149	2.943	5.05	16	30.3925	18.1
P/PANSTARRS (365P)	1.323	0.5814	9.838	3.16	5.62	17	X 9.2978	19.9
P/Hartley (103P)	**1.064**	**0.6937**	**13.61**	**3.475**	**6.48**	**8.5**	**12.5359**	**7.0**
PANSTARRS (P/2022 R1)	3.568	0.5028	7.408	7.177	19.23	11.5	12.536	19.1
P/LINEAR (354P)	2.004	0.1253	5.254	2.291	3.47	15.5	13.9123	18.9
P/Encke (2P)	**0.338**	**0.8475**	**11.389**	**2.22**	**3.31**	**11.5**	**22.2873**	**4.9**
P/Hill (310P)	2.416	0.4223	13.128	4.182	8.55	13.5	24.1523	18.1
P/SOHO (321P)	0.046	0.9811	20.089	2.423	3.77	20	26.5822	7.4
P/Bressi (404P)	4.135	0.132	9.749	4.763	10.4	10	27.9745	18.7
P/PANSTARRS (358P)	2.395	0.2389	11.06	3.147	5.58	18	XI 11.1853	22.6
P/Van Ness (213P)	1.981	0.4082	10.381	3.347	6.12	10.5	11.6685	14.5

Nazwa	q	e	i	a	P	H(0)	T_0	m_{max}
ATLAS (C/2019 E3)	10.313	1.0005	84.297	—	—	2.5	14.589	17.7
Kowalski (P/2007 T2)	0.653	0.7857	9.752	3.046	5.32	18.5	17.6001	15.6
Siding Spring (P/2004 V3)	3.95	0.4459	50.444	7.13	19.04	11.5	23.0716	20.1
PANSTARRS (C/2021 A9)	7.76	1.0029	158.022	—	—	6	XII 1.4241	19.1
P/Kushida-Muramatsu (147P)	3.157	0.2171	2.308	4.032	8.1	14	5.4083	20.7
PANSTARRS (P/2014 W1)	2.728	0.3893	8.836	4.466	9.44	15.5	19.2731	21.1
P/Tsuchinshan (62P)	**1.262**	**0.6253**	**4.736**	**3.368**	**6.18**	**8**	**24.9347**	**9.1**
P/Grigg-Skjellerup (26P)	1.084	0.6404	22.433	3.015	5.24	12	25.4118	15.3
PANSTARRS (P/2018 P3)	1.751	0.4171	8.914	3.004	5.21	14.5	26.6873	17.9
P/Pigott-LINEAR-Kowalski (226P)	1.774	0.5289	44.043	3.766	7.31	12.5	27.2658	15.5
P/Hill (326P)	2.77	0.3182	2.471	4.063	8.19	13.5	30.5352	19.3

[Elementy orbit wg. *https://minorplanetcenter.net/iau/Ephemerides/Comets/Soft02Cmt.txt*, pobrane 4.11.2022]

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_0– data przejścia komety przez peryhelium w 2023 roku
m_{max} – maksymalna spodziewana jasność komety [^{m}]

2P/Encke					
Data 2023	α_{2000}	δ_{2000}	Δ	r	m
	h m s	° ' "			
IX 18	8 27 07.8	+29 56 20	0.918	0.867	10.4
28	9 53 52.2	+21 54 12	0.907	0.689	8.9
X 8	11 13 22.7	+10 44 37	0.990	0.506	7.0

62P/Tsuchinshan					
Data 2023	α_{2000}	δ_{2000}	Δ	r	m
	h m s	° ' "			
XI 17	8 48 01.7	+20 20 59	0.689	1.345	10.4
27	9 27 20.4	+19 03 39	0.631	1.309	9.9
XII 7	10 06 14.5	+17 27 49	0.586	1.284	9.6
17	10 43 14.3	+15 41 56	0.553	1.269	9.3
27	11 16 53.9	+13 56 41	0.530	1.265	9.2