List of all comets predicted to reach perihelion in 2024

Comet	T	q	P	H	K	Peak mag	Elong
12P/Pons-Brooks	Apr 21.0	0.78	71.33	5.0	15.0	3.9	23
13P/Olbers	Jul 1.1	1.18	68.76	5.0	15.0	7.5	31
30P/Reinmuth	Aug 17.2	1.81	7.22	8.6	13.3	14.3	14
32P/Comas Sola	Apr 20.6	2.02	9.71	6.2	20.0	14.1	87
33P/Daniel	Nov 11.0	2.24	8.29	7.3	10.0	11.5	153
37P/Forbes	Oct 11.3	1.62	6.44	8.6	14.7	13.0	64
46P/Wirtanen	May 19.5	1.05	5.44	9.5	16.8	11.4	11
50P/Arend	May 12.8	1.92	8.27	9.5	15.0	16.1	12
54P/deVico-Swift-NEAT	Sep 3.6	2.17	7.38	9.0	10.0	12.8	171
89P/Russell	Mar 26.6	2.22	7.27	11.5	15.0	18.2	133
125P/Spacewatch	Mar 7.3	1.52	5.53	9.0	10.0	11.7	80
130P/McNaught-Hughes	Apr 14.5	1.82	6.22	12.5	10.0	16.7	115
133P/Elst-Pizarro	May 9.9	2.67	5.63	15.4	5.0	18.7	175
144P/Kushida	Jan 25.7	1.39	7.48	6.6	16.3	7.9	125
146P/Shoemaker-LINEAR	Aug 5.5	1.42	8.08	15.0	10.0	17.0	82
150P/LONEOS	Mar 13.0	1.75	7.64	13.5	10.0	15.6	146
154P/Brewington	Jun 13.6	1.55	10.51	2.9	36.0	11.6	33
190P/Mueller	Dec 24.1	2.02	8.69	13.0	10.0	16.7	148
192P/Shoemaker-Levy	May 24.3	1.47	16.47	15.0	10.0	18.4	35
194P/LINEAR	Feb 4.2	1.80	8.36	16.0	10.0	18.3	154
202P/Scotti	May 23.3	2.97	8.17	13.5	10.0	20.2	130
207P/NEAT	Jan 31.8	0.93	7.63	16.0	10.0	12.7	93
208P/McMillan	Aug 24.0	2.53	8.11	9.9	10.0	14.9	173
209P/LINEAR	Jul 15.2	0.97	5.09	17.0	5.0	17.3	53
212P/NEAT	Apr 25.1	1.61	7.71	17.0	5.0	19.4	102
216P/LINEAR	Jan 6.9	2.13	7.58	12.4	10.0	16.2	162
219P/LINEAR	Feb 13.9	2.35	6.96	11.0	10.0	17.0	146
222P/LINEAR	May 12.7	0.83	4.94	20.0	10.0	20.2	28
227P/Catalina-LINEAR	Mar 8.2	1.62	6.37	16.5	5.0	16.9	151

234P/LINEAR	Oct 23.6	2.82	7.40	12.0	10.0	18.6	154
242P/Spahr	Dec 23.2	3.97	13.03	8.0	10.0	16.5	144
251P/LINEAR	Feb 13.2	1.74	6.58	16.5	5.0	19.1	111
253P/PANSTARRS	Oct 21.0	2.03	6.44	14.5	10.0	17.6	173
267P/LONEOS	Apr 24.6	1.24	5.75	19.5	10.0	22.0	28
268P/Bernardi	Dec 18.5	2.41	9.84	13.5	10.0	18.4	134
276P/Vorobjov	Dec 10.8	3.90	12.37	11.5	10.0	19.7	175
299P/Catalina-PANSTARRS	Apr 30.3	3.16	9.20	11.5	10.0	18.2	172
305P/Skiff	Nov 17.1	1.42	9.98	16.0	10.0	16.6	121
309P/LINEAR	Mar 29.0	1.67	9.16	15.0	10.0	19.1	38
311P/PANSTARRS	Jan 2.0	1.94	3.24	17.0	10.0	20.4	116
316P/LONEOS-Christensen	Oct 13.3	3.72	9.31	9.5	10.0	17.4	175
328P/LONEOS-Tucker	Jul 28.0	1.87	8.57	14.5	10.0	18.0	120
333P/LINEAR	Nov 29.3	1.11	8.67	10.7	20.0	10.4	89
338P/McNaught	Aug 3.0	2.29	7.68	12.0	10.0	16.5	149
345P/LINEAR	Aug 31.2	3.14	8.09	12.0	10.0	18.6	178
349P/Lemmon	May 27.1	2.51	6.77	14.0	10.0	18.9	171
355P/LINEAR-NEAT	Apr 1.5	1.71	6.46	12.5	10.0	17.0	14
360P/WISE	Oct 3.8	1.85	7.11	19.5	15.0	23.2	164
362P/Spacewatch	Jul 20.1	2.87	7.92	13.3	5.0	17.0	165
363P/Lemmon	Nov 13.2	1.72	6.76	17.5	10.0	20.8	94
384P/Kowalski	Sep 19.1	1.11	4.93	19.5	10.0	19.1	81
457P/Lemmon-PANSTARRS	Aug 20.3	2.33	4.30	15.5	10.0	19.8	170
P/2001 Q6 (NEAT)	Feb 28.4	1.41	22.45	13.5	10.0	16.4	46
P/2002 T6 (NEAT-LINEAR)	Jul 19.8	3.38	21.50	10.5	10.0	18.1	155
P/2004 DO29 (Spacewatch-LINEAR)	Jun 3.7	4.08	19.71	13.5	5.0	19.0	170
P/2010 T2 (PANSTARRS)	Mar 15.4	3.77	13.16	11.5	10.0	19.9	163
P/2010 WK (LINEAR)	Jul 21.4	1.78	13.83	14.5	5.0	17.4	116
P/2011 NO_1 (Elenin)	Jan 16.0	1.25	13.01	15.0	10.0	16.9	55
P/2012 US_{27} (Siding Spring)	Oct 21.2	1.81	11.74	13.5	10.0	15.9	153

P/2013 R3 (Catalina-PANSTARRS)	Mar 20.3	2.20	5.28	14.0	10.0	19.2	152
P/2014 C1 (TOTAS)	Jul 27.1	1.67	5.28	15.5	10.0	19.4	56
P/2014 MG_4 (Spacewatch-PANSTARRS)	Sep 6.7	3.72	11.23	9.5	10.0	17.4	166
P/2015 HG_{16} (PANSTARRS)	Oct 16.1	3.12	10.45	12.5	10.0	19.3	146
P/2015 R2 (PANSTARRS)	Dec 15.7	2.45	9.49	14.5	10.0	20.1	138
P/2019 A3 (PANSTARRS)	Mar 2.6	2.31	5.57	9.0	10.0	14.6	148
P/2019 M2 (ATLAS)	Sep 28.1	1.07	5.27	20.5	10.0	21.5	50
C/2021 G2 (ATLAS)	Sep 10.0	4.98		5.5	10.0	15.7	143
C/2021 Q6 (PANSTARRS)	Mar 21.7	8.71		6.0	10.0	19.9	169
C/2021 S3 (PANSTARRS)	Feb 14.9	1.32		5.5	10.0	7.4	68
C/2021 S4 (Tsuchinshan)	Jan 1.2	6.69		6.5	10.0	18.6	147
C/2022 E2 (ATLAS)	Sep 13.5	3.67		5.0	10.0	13.1	132
C/2022 H1 (PANSTARRS)	Jan 19.0	7.69		6.0	10.0	19.1	126
C/2022 L2 (ATLAS)	Mar 10.9	2.71		6.5	10.0	12.2	146
C/2022 S4 (Lemmon)	Jul 17.2	2.77		8.0	10.0	14.6	80
C/2022 T1 (Lemmon)	Feb 17.5	3.44		12.0	5.0	16.7	165
C/2022 U1 (Leonard)	Mar 24.9	4.20		8.5	10.0	17.8	114
C/2022 U3 (Bok)	Jul 27.7	4.83		7.5	10.0	17.5	151
C/2023 A3 (Tsuchinshan-ATLAS)	Sep 28.2	0.39		6.5	8.0	2.5	11
C/2023 C2 (ATLAS)	Nov 16.7	2.37		7.0	10.0	12.7	97
C/2023 H1 (PanSTARRS)	Nov 30.9	4.46		8.5	10.0	18.1	147
C/2023 H3 (PanSTARRS)	Feb 18.8	5.23	50	10.0	10.0	20.4	173
						15.5	124
						11.4	15
						20.5	122
							3
							3
							1
							3
							3
P/2003 T12 (SOHO)	Jul 3.7	0.59		17.0	10.0	15.4	27
							17
						13.8?	34
						18.2	171

The date of perihelion (T), perihelion distance (q), period (P), the magnitude parameters H_1 and K_1, the brightest magnitude (which must be regarded as uncertain) and the elongation at which this

occurs are given for each comet. The data for the D/ and SOHO comets is uncertain, but some may be recovered, even though they have been missed at previous returns.

Note: $m_1 = H_1 + 5.0 * \log(d) + K_1 * \log(r)$

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