

彗 星 表

本彗星表共列出兩份資料，一份是 2012 年通過近日點的彗星表，另一份是週期彗星表。

通過近日點的彗星係依據國際彗星季刊 (International Comet Quarterly, ICQ)、美國海軍天文年鑑 (The Astronomical Almanac)、英國天文學會 (British Astronomical Association & Society for Popular Astronomy Comet Section) 及日本 Seiichi Yoshida 公布的資料彙整至 2011 年 8 月底所得。這些彗星的軌道元素，依預期通過近日點的先後次序表列，其中「預測最大亮度」是總亮度 (m1)，標示 “*” 則為核心亮度 (m2)。

週期彗星表依據國際天文聯合會 (IAU) 1994 年 8 月 24 日在荷蘭海牙舉行大會修改舊有的彗星命名規則，並自 1995 年開始使用。週期彗星迄 2011 年 8 月底已經發現公佈了 252 顆，茲擇要摘錄其命名規則內容如下：

名稱：新發現彗星的名字包含發現的年份，並以大寫英文字母次序標示發現的時段，與小行星標示法相同，以半個月為單位，且略過字母 I；及依數字順序標示新彗星在該時段內被宣佈發現的順序。

保留用發現者的名字為彗星命名的傳統。例如海爾一波普彗星是在 1995 年 7 月 23 日發現，且為七月下半月第一顆被確認的彗星，發現人是海爾 (Hale) 與波普 (Bopp)，因此被命名為 C/Hale-Bopp,1995 O1。

軌道週期性質：在名字前加標示，A/表示小行星被誤認為彗星；P/表示週期彗星，指週期小於 200 年，或有不只一次的近日點通過確認；C/表示非週期彗星；X/表示無法算出有意義的軌道；D/則表示已消失的週期彗星。

彗星被觀測到回歸 (或是經由觀測通過遠日點確定其週期性)，則 P/或 D/前將冠上官方序號 (如 1P/1682 Q1 =哈雷彗星)，序號由 IAU 小行星中心 (MPC) 指定。若彗星碎成好幾個，則在名字後面加上 -A,-B,...來區分每個碎核。

年份：資料取自 IAU 公布的資料及 Gary W. Kronk, Seiichi Yoshida 的網站。若彗星已消失又重新被發現，將列出兩個發現年份，並在彗星名稱中加入新發現者之名。

『下次回歸年份』一欄中註記有 『?』者，表示資料尚未經過觀測證實。

2012 年 通 過 近 日 點 彗 星 表

| 彗 星 名 稱 | 過近日點 日期 (UT) 月 日 | 近日點距離 q (AU) | 離心率 e | 近日點 引數 ω ($^{\circ}$) | 昇交點 黃經 Ω ($^{\circ}$) | 軌道 傾角 i ($^{\circ}$) | 預測最 大亮度 (等) |
|------------------------|------------------------|-----------------|-----------------|--------------------------------------|--------------------------------------|------------------------------|-------------------|
| P/2005 JN (Spacewatch) | 1 5.8229 | 2.285887 | 0.347576 | 153.5563 | 70.7919 | 8.8503 | 14.0 |
| 131P/Mueller | 1 7.5840 | 2.417925 | 0.343494 | 179.5796 | 214.2202 | 7.3556 | 11.0 |
| P/2011 C2 (Gibbs) | 1 9.8014 | 5.386839 | 0.268951 | 160.7405 | 12.2031 | 10.9110 | 9.0 |
| P/2006 T1 (Levy) | 1 12.5259 | 1.007348 | 0.667932 | 179.6233 | 279.7481 | 18.2629 | 10.5 |
| 78P/Gehrels | 1 12.9893 | 2.008408 | 0.462634 | 192.8281 | 210.5593 | 6.2550 | 5.5 |
| P/2005 J1(McNaught) | 1 15.0000 | 1.530155 | 0.570971 | 338.9237 | 268.8414 | 31.7662 | |
| 2010 GM163 | 1 15.0000 | 3.135406 | 0.488769 | 269.6982 | 107.5589 | 17.7753 | 18.7 |
| 244P/Scotti | 1 19.6278 | 3.918351 | 0.200649 | 92.4642 | 354.1926 | 2.2593 | 9.0 |
| P/2011 JB15 | 1 23.7416 | 5.016263 | 0.319279 | 111.1698 | 153.7456 | 19.1407 | 9.0 |
| C/2010 M1 (Gibbs) | 2 7.8400 | 2.298690 | 1.~ | 265.3180 | 82.1500 | 78.3730 | 9.0 |

2012 年通過近日點彗星表 (續)

| 彗星名稱 | 過近日點日期 (UT) 月 日 | 近日點距離 q (AU) | 離心率 e | 近日點引數 ω ($^{\circ}$) | 昇交點黃經 Ω ($^{\circ}$) | 軌道傾角 i ($^{\circ}$) | 預測最大亮度 (等) |
|------------------------------|--------------------|-----------------|----------|----------------------------------|----------------------------------|--------------------------|---------------|
| 5D Brorsen | 2 7.0000 | 0.530000 | --- | --- | --- | --- | --- |
| 21P/Giacobini-Zinner | 2 11.7241 | 1.030555 | 0.707052 | 172.5952 | 195.3980 | 31.9105 | 9.0 |
| 198P/ODAS | 2 15.8889 | 1.996254 | 0.444950 | 69.0517 | 358.5630 | 1.3431 | 12.5 |
| 105P/Singer Brewster | 2 26.2049 | 2.050744 | 0.409292 | 46.6897 | 192.4194 | 9.1709 | 11.5 |
| 182P/LONEOS | 3 5.0000 | 0.979669 | 0.663924 | 51.4476 | 75.0606 | 16.9051 | --- |
| 242P/Spahr | 4 2.7885 | 3.980109 | 0.281135 | 247.5201 | 180.8537 | 32.5186 | 8.0 |
| 58P/Jackson-Neujmin | 4 10.0000 | 1.374440 | 0.662604 | 200.4880 | 160.6348 | 13.4898 | 13.8 |
| 163P/NEAT | 4 12.0000 | 2.056662 | 0.453361 | 349.6379 | 102.1170 | 12.7173 | 18.5 |
| C/2006 S3 (LONEOS) | 4 16.5045 | 5.130879 | 1.002838 | 140.1483 | 38.3698 | 166.0327 | 2.0 |
| 171P/Spahr | 4 30.7099 | 1.764166 | 0.503373 | 347.1040 | 101.7439 | 21.9465 | 13.5 |
| 2010 BK118 | 4 30.0000 | --- | 0.985033 | 178.9034 | 175.9351 | 143.9260 | 18.0 |
| 60P/Tsuchinshan 2 | 5 13.0000 | 1.766389 | 0.507113 | 203.3490 | 288.9247 | 607184.0000 | --- |
| 596 Scheila | 5 18.0000 | 2.444869 | 0.165053 | 175.7439 | 70.7038 | 14.6616 | 11.6 |
| C/2010 R1 (LINEAR) | 5 19.1833 | 5.621039 | 1.003344 | 114.5129 | 343.6354 | 156.9347 | 6.0 |
| P2006 Y2 (Gibbs) | 5 20.0000 | 1.251221 | 0.586935 | 26.3012 | 113.3540 | 14.4710 | --- |
| P/2011 N1 | 5 31.7691 | 2.848600 | 0.547717 | 331.4010 | 77.6556 | 35.6635 | 11.5 |
| P/2003 O2 (Linear) | 6 10.0000 | 1.505454 | 0.646056 | 32.7209 | 344.7114 | 14.6913 | --- |
| 138P/Shoemaker-Levy | 6 11.7660 | 1.700663 | 0.530478 | 95.6248 | 309.4151 | 10.0837 | 15.0 |
| C/2003 T12 (SOHO) | 6 25.3200 | 0.453700 | 0.829300 | 226.0900 | 167.8100 | 13.8700 | 11.5 |
| C/1997J6=C/2001 D1=C2004 | 6 30.0000 | --- | --- | --- | --- | --- | --- |
| 152P/Helin-Lawrence | 7 9.4210 | 3.116076 | 0.307529 | 163.8344 | 91.9191 | 9.8662 | 11.5 |
| 96P/Machholz 1 | 7 14.0000 | 0.123791 | 0.959182 | 14.7560 | 94.3243 | 58.2988 | 2.0 |
| 189P/ NEAT | 7 20.0000 | 1.173390 | 0.597695 | 15.2712 | 282.2018 | 20.4017 | --- |
| C/2011 O1 (LINEAR) | 8 23.5652 | 4.071982 | 0.839386 | 229.1367 | 89.8651 | 76.6289 | 7.0 |
| 2008 HW1 | 8 12.0000 | --- | 0.960585 | 248.8645 | 129.2678 | 10.6129 | --- |
| 185P/Petrew | 8 13.0000 | 0.931856 | 0.699468 | 171.9448 | 214.0904 | 14.0076 | 11.0 |
| C1999 X3=C/2004 E2=C/2008 | 8 20.0000 | --- | --- | --- | --- | --- | --- |
| P/2006 Q2 (LONEOS) | 8 21.0000 | 1.337888 | 0.593196 | 96.8559 | 245.2512 | 5.3683 | --- |
| P/2005 K3 (McNaught) | 9 12.0000 | 1.497139 | 0.593518 | 15.6950 | 351.9619 | 15.7357 | 13.2 |
| 160P/LINEAR | 9 18.4100 | 2.066976 | 0.479232 | 18.1448 | 337.0110 | 17.2745 | 15.5 |
| 158P/Kowal-LINEAR | 9 19.1948 | 4.577174 | 0.030240 | 231.9914 | 137.3090 | 7.9082 | 9.0 |
| P/2005 N3 (Larson) | 9 29.0000 | 2.197034 | 0.388111 | 58.5106 | 298.6040 | 6.3249 | 18.0 |
| 168P/Hergenrother | 10 1.0000 | 1.425773 | 0.607511 | 13.8784 | 356.5030 | 21.8941 | 15.0 |
| P2005 T2 (Christensen) | 10 7.0000 | 2.210877 | 0.422122 | 58.3427 | 260.6183 | 8.3381 | 19.0 |
| 2005 HC4 | 11 1.0000 | --- | 0.960994 | 309.1894 | 63.6173 | 8.4135 | --- |
| 2009 HC82 | 11 10.0000 | 0.486801 | 0.807391 | 298.3680 | 294.8151 | 154.5238 | --- |
| P/1994 X1 (McNaught-Russell) | 12 4.0000 | 1.279930 | 0.815375 | 171.1938 | 218.0111 | 29.0791 | 13.8 |
| P/2006 F4 (Spacewatch) | 12 14.0000 | 2.339799 | 0.337083 | 31.3475 | 184.0973 | 12.3862 | 21.0 |
| P/1999 RO28 (LONEOS) | 12 17.0000 | 1.227799 | 0.651293 | 219.9689 | 148.3707 | 8.1836 | 19.0 |
| P/1999 D1 (Hermann) | 12 18.0000 | 1.654275 | 0.712417 | 173.0826 | 349.3729 | 21.5127 | 18.0 |

週期彗星表(一)

| 彗星名稱 | | 發現年份 | 上次回歸年份 | 下次回歸年份 | 週期(年) |
|------|--------------------------|--------|--------|--------|--------|
| 1P | Halley (哈雷) | 240 BC | 1986 | 2061 | 76.01 |
| 2P | Encke (恩克) | 1786 | 2010 | 2013 | 3.30 |
| 3D | Biela (比拉) | 1772 | 1852 | 已分裂 | 6.62 |
| 4P | Faye (法葉) | 1843 | 2006 | 2014 | 7.55 |
| 5D | Brorsen (布羅森) | 1846 | 1879 | 消失 | 5.46 |
| 6P | d'Arrest (德亞瑞司特) | 1851 | 2008 | 2015 | 6.54 |
| 7P | Pons-Winnecke (龐士-溫尼克) | 1819 | 2008 | 2015 | 6.36 |
| 8P | Tuttle (塔托) | 1790 | 2008 | 2021 | 13.61 |
| 9P | Tempel 1 (譚普一號) | 1867 | 2011 | 2016 | 5.52 |
| 10P | Tempel 2 (譚普二號) | 1873 | 2010 | 2015 | 5.47 |
| 11P | Tempel-Swift-LINEAR | 1869 | 2001 | 2014 | 6.37 |
| 12P | Pons-Brooks (龐士-布魯克斯) | 1812 | 1954 | 2024 | 70.92 |
| 13P | Olbers (歐爾伯) | 1815 | 1956 | 2024 | 69.56 |
| 14P | Wolf (沃爾夫) | 1884 | 2009 | 2017 | 8.74 |
| 15P | Finlay (范拉) | 1886 | 2008 | 2014 | 6.50 |
| 16P | Brooks 2 (布魯克斯二號) | 1889 | 2008 | 2014 | 6.14 |
| 17P | Holmes (荷瑪) | 1892 | 2007 | 2014 | 6.88 |
| 18D | Perrine-Mrkos (珮倫-馬寇斯) | 1896 | 1968 | lost? | 6.72 |
| 19P | Borrelly (布洛利) | 1904 | 2008 | 2015 | 6.85 |
| 20D | Westphal | 1852 | 1913 | 消失? | 61.86 |
| 21P | Giacobini-Zinner | 1900 | 2005 | 2012 | 6.62 |
| 22P | Kopff (卡普夫) | 1906 | 2009 | 2015 | 6.44 |
| 23P | Brorsen-Metcalf | 1847 | 1989 | 2059 | 70.54 |
| 24P | Schaumasse | 1911 | 2009 | 2017 | 8.25 |
| 25D | Neujmin 2 | 1916 | 1927 | Lost | 5.43 |
| 26P | Grigg-Skjellerup | 1902 | 2008 | 2013 | 5.11 |
| 27P | Crommelin (克羅瑪林) | 1818 | 2011 | 2038 | 27.41 |
| 28P | Neujmin 1 | 1913 | 2002 | 2021 | 18.19 |
| 29P | Schwassmann-Wachmann 1 | 1927 | 2004 | 2019 | 14.65 |
| 30P | Reinmuth 1 (雷睦斯一號) | 1928 | 2010 | 2017 | 7.32 |
| 31P | Schwassmann-Wachmann 2 | 1929 | 2010 | 2018 | 8.72 |
| 32P | Comas Solá | 1926 | 2005 | 2014 | 8.78 |
| 33P | Daniel (丹尼爾) | 1909 | 2008 | 2016 | 8.10 |
| 34D | Gale (蓋爾) | 1927 | 1938 | 消失 | 10.99 |
| 35P | Herschel-Rigollet | 1788 | 1939 | 2092 | 154.91 |
| 36P | Whipple (惠普) | 1933 | 2011 | 2019 | 8.51 |
| 37P | Forbes (佛畢斯) | 1929 | 2011 | 2017 | 6.35 |
| 38P | Stephan-Oterma (史蒂芬-奧特瑪) | 1867 | 1980 | 2018 | 37.71 |
| 39P | Oterma (奧特瑪) | 1942 | 2002 | 2023 | 19.49 |
| 40P | Väisälä 1 | 1939 | 2004 | 2014 | 10.83 |

週期彗星表(二)

| 彗星名稱 | 發現年份 | 上次回歸年份 | 下次回歸年份 | 週期(年) |
|--------------------------------|------|--------|--------|-------|
| 41P Tuttle-Giacobini-Kresak | 1858 | 2011 | 2016 | 5.42 |
| 42P Neujmin 3 | 1929 | 2004 | 2015 | 10.70 |
| 43P Wolf-Harrington (沃爾夫-哈靈頓) | 1924 | 2010 | 2016 | 6.45 |
| 44P Reinmuth 2 (雷睦斯二號) | 1947 | 2008 | 2015 | 7.07 |
| 45P Honda-Mrkos-Pajdusakova | 1948 | 2011 | 2016 | 5.25 |
| 46P Wirtanen (沃塔南) | 1948 | 2008 | 2013 | 5.44 |
| 47P Ashbrook-Jackson | 1948 | 2009 | 2017 | 8.34 |
| 48P Johnson (詹森) | 1949 | 2011 | 2018 | 6.96 |
| 49P Arend-Rigaux | 1951 | 2011 | 2017 | 6.61 |
| 50P Arend (阿蘭德) | 1951 | 2007 | 2016 | 8.26 |
| 51P Harrington (哈靈頓) | 1953 | 2008 | 2015 | 7.13 |
| 52P Harrington-Abell (哈靈頓-阿貝爾) | 1955 | 2006 | 2014 | 7.54 |
| 53P Van Biesbroeck | 1954 | 2003 | 2016 | 12.52 |
| 54P de Vico-Swift-NEAT | 1844 | 2009 | 2017 | 7.37 |
| 55P Tempel-Tuttle (譚普-塔托) | 1865 | 1998 | 2031 | 33.22 |
| 56P Slaughter-Burnham | 1958 | 2005 | 2016 | 11.55 |
| 57P du Toit-Neujmin-Delporte | 1941 | 2008 | 2015 | 6.41 |
| 58P Jackson-Neujmin | 1936 | 1995 | 2012 | 8.24 |
| 59P Kearns-Kwee | 1963 | 2009 | 2018 | 9.51 |
| 60P Tsuchinshan 2 (紫金山二號) | 1965 | 2005 | 2012 | 6.78 |
| 61P Shajn-Schaldach | 1949 | 2008 | 2015 | 7.05 |
| 62P Tsuchinshan 1 (紫金山一號) | 1965 | 2011 | 2017 | 6.63 |
| 63P Wild 1 (威德一號) | 1960 | 1999 | 2013 | 13.24 |
| 64P Swift-Gehrels (史威福-喬瑞斯) | 1889 | 2009 | 2018 | 9.34 |
| 65P Gunn | 1970 | 2010 | 2016 | 6.80 |
| 66P du Toit | 1944 | 2003 | 2018 | 14.70 |
| 67P Churyumov-Gerasimenko | 1969 | 2009 | 2015 | 6.45 |
| 68P Klemola | 1965 | 2009 | 2019 | 10.83 |
| 69P Taylor (泰勒) | 1915 | 2011 | 2018 | 6.95 |
| 70P Kojima | 1970 | 2007 | 2014 | 7.06 |
| 71P Clark (克拉克) | 1973 | 2011 | 2016 | 5.52 |
| 72P Denning-Fujikawa | 1881 | 1978 | 2014 | 9.01 |
| 73P Schwassmann-Wachmann 3 | 1930 | 2011 | 2016 | 5.36 |
| 74P Smirnova-Chernykh | 1975 | 2009 | 2018 | 8.53 |
| 75P Kohoutek (科胡特克) | 1975 | 1987 | 2014 | 6.65 |
| 76P West-Kohoutek-Ikemura | 1975 | 2006 | 2013 | 6.48 |
| 77P Longmore (隆莫) | 1975 | 2009 | 2016 | 6.83 |
| 78P Gehrels 2 (喬瑞斯二號) | 1973 | 2004 | 2012 | 7.22 |
| 79P du Toit-Hartley | 1945 | 2008 | 2013 | 5.28 |
| 80P Peters-Hartley (彼得-哈德利) | 1846 | 1998 | 2014 | 8.12 |

週期彗星表(三)

| 彗星名稱 | | 發現 年份 | 上次回歸 年份 | 下次回歸 年份 | 週期 (年) |
|------|-----------------------------|----------|------------|------------|-----------|
| 81P | Wild 2 (威德二號) | 1978 | 2010 | 2016 | 6.40 |
| 82P | Gehrels 3 (喬瑞斯三號) | 1975 | 2010 | 2018 | 8.45 |
| 83P | Russell 1 (羅素一號) | 1979 | 1985 | 2013 | 6.10 |
| 84P | Giclas | 1978 | 2006 | 2013 | 6.97 |
| 85P | Boethin (波辛) | 1975 | 1986 | 2020 | 11.23 |
| 86P | Wild 3 (威德三號) | 1980 | 2001 | 2015 | 6.93 |
| 87P | Bus (柏斯) | 1981 | 2007 | 2013 | 6.51 |
| 88P | Howell (侯威爾) | 1981 | 2009 | 2015 | 5.49 |
| 89P | Russell 2 (羅素二號) | 1980 | 2009 | 2016 | 7.40 |
| 90P | Gehrels 1 (喬瑞斯一號) | 1972 | 2002 | 2017 | 14.84 |
| 91P | Russell 3 (羅素三號) | 1983 | 2005 | 2013 | 7.67 |
| 92P | Sanguin | 1977 | 2002 | 2015 | 12.44 |
| 93P | Lovas 1 (洛伐一號) | 1980 | 1998 | 2017 | 9.14 |
| 94P | Russell 4 (羅素四號) | 1984 | 2010 | 2016 | 6.58 |
| 95P | Chiron (查龍) | 1977 | 1996 | 2046 | 50.73 |
| 96P | Machholz 1 (梅克賀茲一號) | 1986 | 2007 | 2012 | 5.24 |
| 97P | Metcalf-Brewington | 1906 | 2011 | 2021 | 10.53 |
| 98P | Takamizawa (高見澤) | 1984 | 2006 | 2013 | 7.40 |
| 99P | Kowal 1 (柯瓦一號) | 1977 | 2007 | 2022 | 15.09 |
| 100P | Hartley 1 (哈德利一號) | 1985 | 2009 | 2015 | 6.29 |
| 101P | Chernykh | 1977 | 2005 | 2020 | 13.92 |
| 102P | Shoemaker 1 (休梅克一號) | 1984 | 2006 | 2013 | 7.23 |
| 103P | Hartley 2 (哈德利二號) | 1986 | 2010 | 2016 | 6.40 |
| 104P | Kowal 2 (柯瓦二號) | 1979 | 2010 | 2016 | 6.18 |
| 105P | Singer Brewster | 1986 | 2005 | 2012 | 6.45 |
| 106P | Schuster | 1977 | 2007 | 2014 | 7.31 |
| 107P | Wilson-Harrington (威爾森-哈靈頓) | 1949 | 2001 | 2014 | 4.30 |
| 108P | Ciffréo | 1985 | 2007 | 2014 | 7.26 |
| 109P | Swift-Tuttle (史威福-塔托) | 1862 | 1992 | 2126 | 135.01 |
| 110P | Hartley 3 (哈德利三號) | 1988 | 2008 | 2014 | 6.89 |
| 111P | Helin-Roman-Crockett | 1989 | 2004 | 2013 | 8.12 |
| 112P | Urata-Nijima | 1986 | 2006 | 2013 | 6.67 |
| 113P | Spitaler (史匹塔勒) | 1890 | 2008 | 2015 | 7.09 |
| 114P | Wiseman-Skiff (威茲曼-史基福) | 1986 | 2006 | 2013 | 6.68 |
| 115P | Maury (莫利) | 1985 | 2011 | 2020 | 8.79 |
| 116P | Wild 4 (威德四號) | 1990 | 2009 | 2016 | 6.48 |
| 117P | Helin-Roman-Alu 1 | 1989 | 2005 | 2014 | 8.24 |
| 118P | Shoemaker-Levy 4 (休梅克-李威四號) | 1991 | 2010 | 2016 | 6.45 |
| 119P | Parker-Hartley (派克-哈德利) | 1989 | 2005 | 2014 | 8.89 |
| 120P | Mueller 1 (謬勒一號) | 1987 | 2004 | 2013 | 8.43 |

週期彗星表(四)

| 彗星名稱 | 發現年份 | 上次回歸年份 | 下次回歸年份 | 週期(年) |
|----------------------------------|------|--------|--------|--------|
| 121P Shoemaker-Holt 2 (休梅克-霍德二號) | 1989 | 2004 | 2013 | 8.01 |
| 122P de Vico (迪維斯) | 1846 | 1995 | 2069 | 74.41 |
| 123P West-Hartley (威斯特-哈德利) | 1989 | 2011 | 2018 | 7.58 |
| 124P Mrkos (馬寇斯) | 1991 | 2008 | 2014 | 5.75 |
| 125P Spacewatch (天空守望者) | 1991 | 2007 | 2013 | 5.53 |
| 126P IRAS (紅外線天文衛星) | 1983 | 2010 | 2023 | 13.29 |
| 127P Holt-Olmstead (霍德-歐姆斯特) | 1990 | 2009 | 2016 | 6.39 |
| 128P Shoemaker-Holt 1 (休梅克-霍德一號) | 1987 | 2007 | 2017 | 9.59 |
| 129P Shoemaker-Levy 3 (休梅克-李威三號) | 1991 | 2005 | 2014 | 7.23 |
| 130P McNaught-Hughes | 1991 | 2011 | 2017 | 6.67 |
| 131P Mueller 2 (謬勒二號) | 1990 | 2004 | 2012 | 7.07 |
| 132P Helin-Roman-Alu 2 | 1989 | 2006 | 2014 | 8.28 |
| 133P Elst-Pizarro | 1996 | 2001 | 2013 | 5.61 |
| 134P Kowal-Vavrova | 1983 | 1998 | 2014 | 15.58 |
| 135P Shoemaker-Levy 8 (休梅克-李威八號) | 1992 | 1999 | 2014 | 7.49 |
| 136P Mueller 3 (謬勒三號) | 1990 | 2007 | 2016 | 8.57 |
| 137P Shoemaker-Levy 2 (休梅克-李威二號) | 1990 | 2009 | 2018 | 9.55 |
| 138P Shoemaker-Levy 7 (休梅克-李威七號) | 1991 | 2005 | 2012 | 6.91 |
| 139P Väisälä-Oterma | 1939 | 2008 | 2017 | 9.60 |
| 140P Bowell-Skiff (包威爾-史基福) | 1983 | 1999 | 2015 | 16.18 |
| 141P Machholz 2 (梅克賀茲二號) | 1994 | 2010 | 2015 | 5.23 |
| 142P Ge-Wang (葛-汪) | 1988 | 2010 | 2022 | 11.17 |
| 143P Kowal-Mrkos (柯瓦-馬寇斯) | 1984 | 2009 | 2018 | 8.92 |
| 144P Kushida (串田) | 1994 | 2009 | 2016 | 7.60 |
| 145P Shoemaker-Levy 5 (休梅克-李威五號) | 1991 | 2009 | 2017 | 8.39 |
| 146P Shoemaker-LINEAR | 1984 | 2008 | 2016 | 8.08 |
| 147P Kushida-Muramatsu (串田-村松) | 1993 | 2008 | 2016 | 7.43 |
| 148P Anderson-LINEAR | 1963 | 2008 | 2015 | 7.07 |
| 149P Mueller 4 (謬勒四號) | 1992 | 2010 | 2019 | 9.01 |
| 150P LONEOS | 2000 | 2008 | 2016 | 7.68 |
| 151P Helin | 1987 | 2001 | 2015 | 14.06 |
| 152P Helin-Lawrence | 1993 | 2002 | 2012 | 9.52 |
| 153P Ikeya-Zhang (池谷-張) | 1661 | 2002 | 2362 | 364.46 |
| 154P Brewington | 1992 | 2003 | 2013 | 10.66 |
| 155P Shoemaker 3 | 1986 | 2002 | 2019 | 17.10 |
| 156P Russell-LINEAR | 1986 | 2007 | 2014 | 6.83 |
| 157P Tritton | 1978 | 2010 | 2016 | 6.45 |
| 158P Kowal- LINEAR | 1979 | 2002 | 2012 | 10.29 |
| 159P LONEOS | 2003 | 2004 | 2018 | 14.31 |
| 160P LINEAR | 2004 | 2004 | 2012 | 7.95 |

週期彗星表(五)

| 彗星名稱 | 發現年份 | 上次回歸年份 | 下次回歸年份 | 週期(年) |
|-----------------------|------|--------|--------|--------|
| 161P Hartley-IRAS | 1983 | 2005 | 2026 | 21.50 |
| 162P Siding Spring | 2004 | 2010 | 2015 | 5.32 |
| 163P NEAT | 2004 | 2005 | 2012 | 7.01 |
| 164P Christensen | 2004 | 2011 | 2018 | 6.91 |
| 165P LINEAR | 2000 | 2000 | 2075 | 76.41 |
| 166p NEAT | 2001 | 2002 | 2053 | 51.89 |
| 167p CINEOS | 2004 | 2001 | 2066 | 64.78 |
| 168p Hergenrother | 1998 | 2005 | 2012 | 6.92 |
| 169p NEAT | 2002 | 2009 | 2014 | 4.21 |
| 170p Christensen | 2005 | 2006 | 2014 | 8.63 |
| 171p Spahr | 1998 | 2005 | 2012 | 6.62 |
| 172p Yeung | 2002 | 2008 | 2017 | 6.58 |
| 173p Mueller | 1993 | 2008 | 2021 | 13.62 |
| 174p Echeclus | 2000 | 1980 | 2015 | 35.34 |
| 175p Hergenrother | 2000 | 2006 | 2013 | 6.62 |
| 176p LINEAR | 1999 | 2011 | 2016 | 5.71 |
| 177p Barnard (巴納德) | 1889 | 2006 | 2127 | 119.56 |
| 178p Hug-Bell | 1999 | 2006 | 2013 | 7.06 |
| 179p Jedicke | 1995 | 2007 | 2022 | 14.35 |
| 180p NEAT | 2001 | 2008 | 2015 | 7.53 |
| 181p Shoemaker-Levy 6 | 1991 | 2006 | 2014 | 7.53 |
| 182p LONEOS | 2001 | 2007 | 2012 | 5.02 |
| 183p Korlevic-Juric | 1999 | 2008 | 2017 | 9.56 |
| 184p Lovas | 1986 | 2006 | 2013 | 6.62 |
| 185p Petriew | 2001 | 2007 | 2012 | 5.47 |
| 186p Garradd | 2007 | 2008 | 2019 | 10.64 |
| 187p LINEAR | 1998 | 2008 | 2018 | 9.40 |
| 188p LINEAR-Mueller | 1998 | 2007 | 2017 | 9.13 |
| 189p NEAT | 2002 | 2007 | 2012 | 4.98 |
| 190p Mueller | 1998 | 2007 | 2016 | 8.73 |
| 191P McNaught | 2007 | 2007 | 2014 | 6.64 |
| 192P Shoemaker-Levy 1 | 1990 | 2007 | 2024 | 16.38 |
| 193P LINEAR-NEAT | 2001 | 2008 | 2014 | 6.74 |
| 194P LINEAR | 2000 | 2008 | 2016 | 8.04 |
| 195P Hill | 1993 | 2009 | 2025 | 16.49 |
| 196P Tichy | 2000 | 2008 | 2015 | 7.34 |
| 197P Linear | 2003 | 2008 | 2013 | 4.85 |
| 198P ODAS | 1998 | 2005 | 2012 | 6.78 |
| 199P Shoemaker 4 | 1994 | 2009 | 2023 | 14.58 |
| 200P Larsen | 1997 | 2008 | 2019 | 10.87 |

週期彗星表(六)

| 彗星名稱 | 發現年份 | 上次回歸年份 | 下次回歸年份 | 週期(年) |
|-----------------------------|------|--------|--------|-------|
| 201P LONEOS | 2001 | 2008 | 2015 | 6.45 |
| 202P Scotti | 2001 | 2009 | 2016 | 7.34 |
| 203P Kovlevic | 1999 | 2010 | 2020 | 10.02 |
| 204P LINEAR-NEAT | 2001 | 2008 | 2015 | 7.02 |
| 205P Giacobini | 1896 | 2008 | 2015 | 6.66 |
| 206P Barnard-Boattini | 1892 | 2008 | 2014 | 5.83 |
| 207P NEAT | 2001 | 2008 | 2016 | 7.67 |
| 208P McMillan | 2000 | 2008 | 2016 | 8.11 |
| 209P LINEAR | 2004 | 2009 | 2014 | 5.04 |
| 210P Christensen | 2003 | 2008 | 2014 | 5.66 |
| 211P Hill | 2009 | 2009 | 2016 | 6.73 |
| 212P NEAT | 2000 | 2008 | 2016 | 7.79 |
| 213P Van Ness | 2005 | 2011 | 2017 | 6.33 |
| 214P LINEAR | 2002 | 2009 | 2015 | 6.85 |
| 215P NEAT | 2002 | 2010 | 2018 | 8.17 |
| 216P LINEAR | 2001 | 2008 | 2016 | 7.66 |
| 217P LINEAR | 2001 | 2009 | 2016 | 7.83 |
| 218P LINEAR | 2003 | 2009 | 2015 | 6.10 |
| 219P LINEAR | 2002 | 2010 | 2017 | 6.99 |
| 220P MacNaught | 2004 | 2009 | 2014 | 5.50 |
| 221P LINEAR | 2002 | 2009 | 2015 | 6.49 |
| 222P LINEAR | 2004 | 2009 | 2014 | 4.83 |
| 223P Skiff | 2002 | 2002 | 2010 | 8045 |
| 224P LINEAR-NEAT | 2003 | 2010 | 2016 | 6.29 |
| 225P LINEAR | 2002 | 2009 | 2016 | 6.96 |
| 226P Pigott-LINEAR-Kowalski | 1783 | 2009 | 2016 | 7.30 |
| 227P Catalina-LINEAR | 2003 | 2003 | 2010 | 6.80 |
| 228P LINEAR | 2003 | 2011 | 2019 | 8.51 |
| 229P Gibbs | 2009 | 2009 | 2017 | 7.77 |
| 230P LINEAR | 2002 | 2009 | 2015 | 6.27 |
| 231P LINEAR-NEAT | 2003 | 2011 | 2019 | 8.08 |
| 232P Hill | 1999 | 2009 | 2019 | 9.49 |
| 233P La Sagra | 2010 | 2010 | 2015 | 5.29 |
| 234P LINEAR | 2002 | 2009 | 2017 | 7.48 |
| 235P LINEAR | 2002 | 2010 | 2018 | 8.01 |
| 236P LINEAR | 2003 | 2010 | 2017 | 7.21 |
| 237P LINEAR | 2002 | 2009 | 2017 | 7.21 |
| 238P Read | 2005 | 2011 | 2017 | 5.63 |
| 239P LINEAR | 2000 | 2009 | 2019 | 9.40 |
| 240P NEAT | 2003 | 2010 | 2018 | 7.59 |

週期彗星表(七)

| 彗星名稱 | 發現年份 | 上次回歸年份 | 下次回歸年份 | 週期(年) |
|-------------|------|--------|--------|-------|
| 241P LINEAR | 1999 | 2010 | 2021 | 10.67 |
| 242P Spahr | 1999 | 1999 | 2012 | 13.15 |
| 243P NEAT | 2003 | 2011 | 2018 | 7.50 |
| 244P Scotti | 2000 | 2000 | 2012 | 11.39 |
| 245P WISE | 2010 | 2002 | 2018 | 8.02 |
| 246P NEAT | 2005 | 2005 | 2013 | 8.04 |
| 247P LINEAR | 2003 | 2011 | 2018 | 7.89 |
| 248P Gibbs | 2011 | 1996 | 2025 | 14.6 |
| 249P LINEAR | 2006 | 2011 | 2015 | 4.63 |
| 250P Larson | 2010 | 2010 | 2018 | 7.21 |
| 251P LINEAR | 2004 | 2010 | 2017 | 6.52 |
| 252P LINEAR | 2000 | 2010 | 2015 | 5.36 |