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**GEN 2.7 SUNRISE/SUNSET TABLES****General****Day and night limits**

The stated times are expressed in LT and are applicable throughout the FIR Switzerland. The reference point for the time calculation is Berne observatory; 46°57' N / 007°26' E.

Morning civil twilight begins and evening civil twilight ends when the centre of the sun is 6° below the astronomical horizon.

Night, and night FLTs, respectively, apply to the period between the end of evening civil twilight and the beginning of morning civil twilight.

Summer time (ETE; UTC+2) **comes into force on the last SUN of MAR.**

Summer time **ends on the last SUN of OCT.**

The time indications in the columns signify:

Col 1: BCMT - Begin of Civil Morning Twilight (HRH\*)

Col 2: sunrise (SR)

Col 3: sunset (SS)

Col 4: ECET - End of Civil Evening Twilight (HRH\*)

in Central European time (CET; UTC+1)

■ The tables are calculated for 2022 / 2023.

| 2022 | FIR SWITZERLAND (LT) |      |      |      |      |      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|------|------|------|------|------|
| Day  | OCT                  |      |      |      | NOV  |      |      |      | DEC  |      |      |      |
|      | 1                    | 2    | 3    | 4    | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4    |
| 1    | 0658                 | 0729 | 1910 | 1941 | 0641 | 0713 | 1714 | 1746 | 0720 | 0755 | 1643 | 1718 |
| 2    | 0700                 | 0730 | 1908 | 1939 | 0642 | 0714 | 1713 | 1745 | 0721 | 0756 | 1643 | 1718 |
| 3    | 0701                 | 0731 | 1906 | 1937 | 0644 | 0716 | 1711 | 1743 | 0722 | 0757 | 1643 | 1717 |
| 4    | 0702                 | 0733 | 1904 | 1935 | 0645 | 0717 | 1710 | 1742 | 0723 | 0758 | 1642 | 1717 |
| 5    | 0704                 | 0734 | 1902 | 1933 | 0646 | 0719 | 1709 | 1741 | 0725 | 0759 | 1642 | 1717 |
| 6    | 0705                 | 0736 | 1900 | 1931 | 0648 | 0720 | 1707 | 1739 | 0726 | 0801 | 1642 | 1717 |
| 7    | 0706                 | 0737 | 1859 | 1929 | 0649 | 0721 | 1706 | 1738 | 0727 | 0802 | 1641 | 1717 |
| 8    | 0708                 | 0738 | 1857 | 1927 | 0650 | 0723 | 1704 | 1737 | 0728 | 0803 | 1641 | 1716 |
| 9    | 0709                 | 0740 | 1855 | 1925 | 0652 | 0724 | 1703 | 1736 | 0728 | 0804 | 1641 | 1716 |
| 10   | 0711                 | 0741 | 1853 | 1923 | 0653 | 0726 | 1702 | 1735 | 0729 | 0805 | 1641 | 1716 |
| 11   | 0712                 | 0742 | 1851 | 1921 | 0655 | 0727 | 1701 | 1733 | 0730 | 0806 | 1641 | 1716 |
| 12   | 0713                 | 0744 | 1849 | 1919 | 0656 | 0729 | 1659 | 1732 | 0731 | 0806 | 1641 | 1717 |
| 13   | 0715                 | 0745 | 1847 | 1918 | 0657 | 0730 | 1658 | 1731 | 0732 | 0807 | 1641 | 1717 |
| 14   | 0716                 | 0747 | 1845 | 1916 | 0659 | 0732 | 1657 | 1730 | 0733 | 0808 | 1641 | 1717 |
| 15   | 0717                 | 0748 | 1843 | 1914 | 0700 | 0733 | 1656 | 1729 | 0734 | 0809 | 1642 | 1717 |
| 16   | 0719                 | 0749 | 1841 | 1912 | 0701 | 0735 | 1655 | 1728 | 0734 | 0810 | 1642 | 1717 |
| 17   | 0720                 | 0751 | 1840 | 1910 | 0703 | 0736 | 1654 | 1727 | 0735 | 0810 | 1642 | 1718 |
| 18   | 0721                 | 0752 | 1838 | 1909 | 0704 | 0737 | 1653 | 1726 | 0736 | 0811 | 1642 | 1718 |
| 19   | 0723                 | 0754 | 1836 | 1907 | 0705 | 0739 | 1652 | 1725 | 0736 | 0812 | 1643 | 1718 |
| 20   | 0724                 | 0755 | 1834 | 1905 | 0707 | 0740 | 1651 | 1724 | 0737 | 0812 | 1643 | 1719 |
| 21   | 0726                 | 0757 | 1833 | 1904 | 0708 | 0742 | 1650 | 1724 | 0737 | 0813 | 1644 | 1719 |
| 22   | 0727                 | 0758 | 1831 | 1902 | 0709 | 0743 | 1649 | 1723 | 0738 | 0813 | 1644 | 1720 |
| 23   | 0728                 | 0759 | 1829 | 1900 | 0711 | 0744 | 1648 | 1722 | 0738 | 0814 | 1645 | 1720 |
| 24   | 0730                 | 0801 | 1827 | 1859 | 0712 | 0746 | 1648 | 1722 | 0739 | 0814 | 1645 | 1721 |
| 25   | 0731                 | 0802 | 1826 | 1857 | 0713 | 0747 | 1647 | 1721 | 0739 | 0815 | 1646 | 1721 |
| 26   | 0732                 | 0804 | 1824 | 1855 | 0714 | 0749 | 1646 | 1720 | 0739 | 0815 | 1647 | 1722 |
| 27   | 0734                 | 0805 | 1822 | 1854 | 0716 | 0750 | 1646 | 1720 | 0740 | 0815 | 1647 | 1723 |
| 28   | 0735                 | 0807 | 1821 | 1852 | 0717 | 0751 | 1645 | 1719 | 0740 | 0815 | 1648 | 1724 |
| 29   | 0737                 | 0808 | 1819 | 1851 | 0718 | 0752 | 1644 | 1719 | 0740 | 0816 | 1649 | 1724 |
| 30   | 0638                 | 0710 | 1718 | 1749 | 0719 | 0754 | 1644 | 1718 | 0740 | 0816 | 1650 | 1725 |
| 31   | 0639                 | 0711 | 1716 | 1748 |      |      |      |      | 0741 | 0816 | 1651 | 1726 |

| 2023 | FIR SWITZERLAND (LT) |      |      |      |      |      |      |      |      |      |      |      |   |
|------|----------------------|------|------|------|------|------|------|------|------|------|------|------|---|
|      | Day                  | JAN  |      |      |      | FEB  |      |      |      | MAR  |      |      |   |
|      |                      | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4 |
| 1    | 0741                 | 0816 | 1652 | 1727 | 0723 | 0756 | 1733 | 1805 | 0640 | 0711 | 1815 | 1846 |   |
| 2    | 0741                 | 0816 | 1653 | 1728 | 0722 | 0754 | 1734 | 1807 | 0638 | 0709 | 1817 | 1847 |   |
| 3    | 0741                 | 0816 | 1654 | 1729 | 0721 | 0753 | 1736 | 1808 | 0637 | 0707 | 1818 | 1849 |   |
| 4    | 0741                 | 0816 | 1655 | 1730 | 0719 | 0752 | 1737 | 1809 | 0635 | 0705 | 1820 | 1850 |   |
| 5    | 0741                 | 0816 | 1656 | 1731 | 0718 | 0750 | 1739 | 1811 | 0633 | 0703 | 1821 | 1851 |   |
| 6    | 0740                 | 0815 | 1657 | 1732 | 0717 | 0749 | 1740 | 1812 | 0631 | 0701 | 1822 | 1853 |   |
| 7    | 0740                 | 0815 | 1658 | 1733 | 0715 | 0747 | 1742 | 1814 | 0629 | 0700 | 1824 | 1854 |   |
| 8    | 0740                 | 0815 | 1659 | 1734 | 0714 | 0746 | 1743 | 1815 | 0627 | 0658 | 1825 | 1856 |   |
| 9    | 0740                 | 0815 | 1700 | 1735 | 0713 | 0745 | 1745 | 1817 | 0625 | 0656 | 1827 | 1857 |   |
| 10   | 0739                 | 0814 | 1701 | 1736 | 0711 | 0743 | 1746 | 1818 | 0623 | 0654 | 1828 | 1859 |   |
| 11   | 0739                 | 0814 | 1703 | 1737 | 0710 | 0742 | 1748 | 1820 | 0622 | 0652 | 1830 | 1900 |   |
| 12   | 0739                 | 0813 | 1704 | 1738 | 0708 | 0740 | 1749 | 1821 | 0620 | 0650 | 1831 | 1901 |   |
| 13   | 0738                 | 0813 | 1705 | 1740 | 0707 | 0738 | 1751 | 1823 | 0618 | 0648 | 1832 | 1903 |   |
| 14   | 0738                 | 0812 | 1706 | 1741 | 0705 | 0737 | 1753 | 1824 | 0616 | 0646 | 1834 | 1904 |   |
| 15   | 0737                 | 0812 | 1708 | 1742 | 0704 | 0735 | 1754 | 1825 | 0614 | 0644 | 1835 | 1906 |   |
| 16   | 0737                 | 0811 | 1709 | 1743 | 0702 | 0734 | 1756 | 1827 | 0612 | 0642 | 1837 | 1907 |   |
| 17   | 0736                 | 0810 | 1710 | 1745 | 0701 | 0732 | 1757 | 1828 | 0610 | 0640 | 1838 | 1908 |   |
| 18   | 0736                 | 0810 | 1712 | 1746 | 0659 | 0730 | 1759 | 1830 | 0608 | 0638 | 1840 | 1910 |   |
| 19   | 0735                 | 0809 | 1713 | 1747 | 0658 | 0729 | 1800 | 1831 | 0606 | 0636 | 1841 | 1911 |   |
| 20   | 0734                 | 0808 | 1715 | 1748 | 0656 | 0727 | 1802 | 1833 | 0604 | 0634 | 1842 | 1913 |   |
| 21   | 0734                 | 0807 | 1716 | 1750 | 0654 | 0725 | 1803 | 1834 | 0602 | 0632 | 1844 | 1914 |   |
| 22   | 0733                 | 0806 | 1718 | 1751 | 0653 | 0723 | 1805 | 1836 | 0600 | 0630 | 1845 | 1916 |   |
| 23   | 0732                 | 0805 | 1719 | 1752 | 0651 | 0722 | 1806 | 1837 | 0558 | 0628 | 1847 | 1917 |   |
| 24   | 0731                 | 0804 | 1720 | 1754 | 0649 | 0720 | 1808 | 1838 | 0556 | 0626 | 1848 | 1918 |   |
| 25   | 0730                 | 0803 | 1722 | 1755 | 0647 | 0718 | 1809 | 1840 | 0554 | 0624 | 1849 | 1920 |   |
| 26   | 0729                 | 0802 | 1723 | 1757 | 0646 | 0716 | 1811 | 1841 | 0652 | 0722 | 1951 | 2021 |   |
| 27   | 0728                 | 0801 | 1725 | 1758 | 0644 | 0715 | 1812 | 1843 | 0650 | 0720 | 1952 | 2023 |   |
| 28   | 0727                 | 0800 | 1726 | 1759 | 0642 | 0713 | 1814 | 1844 | 0648 | 0718 | 1953 | 2024 |   |
| 29   | 0726                 | 0759 | 1728 | 1801 |      |      |      |      | 0646 | 0716 | 1955 | 2026 |   |
| 30   | 0725                 | 0758 | 1730 | 1802 |      |      |      |      | 0644 | 0714 | 1956 | 2027 |   |
| 31   | 0724                 | 0757 | 1731 | 1804 |      |      |      |      | 0642 | 0712 | 1958 | 2028 |   |

| 2023 | FIR SWITZERLAND (LT) |      |      |      |      |      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|------|------|------|------|------|
| Day  | APR                  |      |      |      | MAY  |      |      |      | JUN  |      |      |      |
|      | 1                    | 2    | 3    | 4    | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4    |
| 1    | 0640                 | 0710 | 1959 | 2030 | 0542 | 0616 | 2040 | 2114 | 0501 | 0540 | 2117 | 2156 |
| 2    | 0638                 | 0708 | 2000 | 2031 | 0540 | 0614 | 2041 | 2116 | 0500 | 0539 | 2118 | 2157 |
| 3    | 0635                 | 0706 | 2002 | 2033 | 0538 | 0612 | 2043 | 2117 | 0500 | 0538 | 2119 | 2158 |
| 4    | 0633                 | 0704 | 2003 | 2034 | 0537 | 0611 | 2044 | 2119 | 0459 | 0538 | 2120 | 2159 |
| 5    | 0631                 | 0702 | 2005 | 2036 | 0535 | 0609 | 2046 | 2120 | 0459 | 0537 | 2120 | 2159 |
| 6    | 0629                 | 0701 | 2006 | 2037 | 0533 | 0608 | 2047 | 2121 | 0458 | 0537 | 2121 | 2200 |
| 7    | 0627                 | 0659 | 2007 | 2038 | 0532 | 0606 | 2048 | 2123 | 0457 | 0537 | 2122 | 2201 |
| 8    | 0625                 | 0657 | 2009 | 2040 | 0530 | 0605 | 2049 | 2124 | 0457 | 0536 | 2123 | 2202 |
| 9    | 0623                 | 0655 | 2010 | 2041 | 0529 | 0604 | 2051 | 2126 | 0457 | 0536 | 2123 | 2203 |
| 10   | 0621                 | 0653 | 2011 | 2043 | 0527 | 0602 | 2052 | 2127 | 0456 | 0536 | 2124 | 2204 |
| 11   | 0619                 | 0651 | 2013 | 2044 | 0525 | 0601 | 2053 | 2129 | 0456 | 0535 | 2125 | 2204 |
| 12   | 0617                 | 0649 | 2014 | 2046 | 0524 | 0559 | 2055 | 2130 | 0456 | 0535 | 2125 | 2205 |
| 13   | 0615                 | 0647 | 2016 | 2047 | 0523 | 0558 | 2056 | 2132 | 0455 | 0535 | 2126 | 2205 |
| 14   | 0613                 | 0645 | 2017 | 2049 | 0521 | 0557 | 2057 | 2133 | 0455 | 0535 | 2126 | 2206 |
| 15   | 0612                 | 0643 | 2018 | 2050 | 0520 | 0556 | 2058 | 2134 | 0455 | 0535 | 2127 | 2206 |
| 16   | 0610                 | 0641 | 2020 | 2052 | 0518 | 0554 | 2100 | 2136 | 0455 | 0535 | 2127 | 2207 |
| 17   | 0608                 | 0640 | 2021 | 2053 | 0517 | 0553 | 2101 | 2137 | 0455 | 0535 | 2128 | 2207 |
| 18   | 0606                 | 0638 | 2022 | 2055 | 0516 | 0552 | 2102 | 2139 | 0455 | 0535 | 2128 | 2208 |
| 19   | 0604                 | 0636 | 2024 | 2056 | 0514 | 0551 | 2103 | 2140 | 0455 | 0535 | 2128 | 2208 |
| 20   | 0602                 | 0634 | 2025 | 2058 | 0513 | 0550 | 2104 | 2141 | 0455 | 0535 | 2129 | 2208 |
| 21   | 0600                 | 0632 | 2027 | 2059 | 0512 | 0549 | 2106 | 2143 | 0455 | 0535 | 2129 | 2209 |
| 22   | 0558                 | 0631 | 2028 | 2101 | 0511 | 0548 | 2107 | 2144 | 0456 | 0535 | 2129 | 2209 |
| 23   | 0556                 | 0629 | 2029 | 2102 | 0510 | 0547 | 2108 | 2145 | 0456 | 0536 | 2129 | 2209 |
| 24   | 0554                 | 0627 | 2031 | 2104 | 0509 | 0546 | 2109 | 2146 | 0456 | 0536 | 2129 | 2209 |
| 25   | 0552                 | 0625 | 2032 | 2105 | 0507 | 0545 | 2110 | 2148 | 0457 | 0536 | 2129 | 2209 |
| 26   | 0551                 | 0624 | 2033 | 2107 | 0506 | 0544 | 2111 | 2149 | 0457 | 0537 | 2129 | 2209 |
| 27   | 0549                 | 0622 | 2035 | 2108 | 0505 | 0543 | 2112 | 2150 | 0457 | 0537 | 2129 | 2209 |
| 28   | 0547                 | 0620 | 2036 | 2110 | 0505 | 0542 | 2113 | 2151 | 0458 | 0538 | 2129 | 2209 |
| 29   | 0545                 | 0619 | 2037 | 2111 | 0504 | 0542 | 2114 | 2152 | 0458 | 0538 | 2129 | 2209 |
| 30   | 0543                 | 0617 | 2039 | 2113 | 0503 | 0541 | 2115 | 2153 | 0459 | 0539 | 2129 | 2208 |
| 31   |                      |      |      |      | 0502 | 0540 | 2116 | 2155 |      |      |      |      |

| 2023 | FIR SWITZERLAND (LT) |      |      |      |      |      |      |      |      |      |      |      |   |
|------|----------------------|------|------|------|------|------|------|------|------|------|------|------|---|
|      | Day                  | JUL  |      |      |      | AUG  |      |      |      | SEP  |      |      |   |
|      |                      | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4 |
| 1    | 0500                 | 0539 | 2129 | 2208 | 0534 | 0609 | 2103 | 2139 | 0618 | 0649 | 2011 | 2042 |   |
| 2    | 0500                 | 0540 | 2129 | 2208 | 0535 | 0611 | 2102 | 2137 | 0619 | 0650 | 2009 | 2040 |   |
| 3    | 0501                 | 0540 | 2128 | 2208 | 0537 | 0612 | 2100 | 2135 | 0620 | 0652 | 2007 | 2038 |   |
| 4    | 0502                 | 0541 | 2128 | 2207 | 0538 | 0613 | 2059 | 2134 | 0622 | 0653 | 2005 | 2036 |   |
| 5    | 0503                 | 0542 | 2128 | 2207 | 0539 | 0614 | 2058 | 2132 | 0623 | 0654 | 2003 | 2034 |   |
| 6    | 0503                 | 0542 | 2127 | 2206 | 0541 | 0616 | 2056 | 2131 | 0624 | 0656 | 2001 | 2032 |   |
| 7    | 0504                 | 0543 | 2127 | 2206 | 0542 | 0617 | 2055 | 2129 | 0626 | 0657 | 1959 | 2030 |   |
| 8    | 0505                 | 0544 | 2126 | 2205 | 0544 | 0618 | 2053 | 2127 | 0627 | 0658 | 1957 | 2028 |   |
| 9    | 0506                 | 0545 | 2126 | 2204 | 0545 | 0619 | 2051 | 2126 | 0629 | 0700 | 1955 | 2026 |   |
| 10   | 0507                 | 0546 | 2125 | 2204 | 0546 | 0621 | 2050 | 2124 | 0630 | 0701 | 1953 | 2024 |   |
| 11   | 0508                 | 0547 | 2125 | 2203 | 0548 | 0622 | 2048 | 2122 | 0631 | 0702 | 1951 | 2022 |   |
| 12   | 0509                 | 0547 | 2124 | 2202 | 0549 | 0623 | 2047 | 2120 | 0633 | 0703 | 1949 | 2020 |   |
| 13   | 0510                 | 0548 | 2123 | 2201 | 0551 | 0624 | 2045 | 2119 | 0634 | 0705 | 1947 | 2018 |   |
| 14   | 0511                 | 0549 | 2122 | 2201 | 0552 | 0626 | 2043 | 2117 | 0635 | 0706 | 1945 | 2016 |   |
| 15   | 0512                 | 0550 | 2122 | 2200 | 0554 | 0627 | 2042 | 2115 | 0637 | 0707 | 1943 | 2013 |   |
| 16   | 0513                 | 0551 | 2121 | 2159 | 0555 | 0628 | 2040 | 2113 | 0638 | 0709 | 1941 | 2011 |   |
| 17   | 0514                 | 0552 | 2120 | 2158 | 0556 | 0630 | 2038 | 2111 | 0639 | 0710 | 1939 | 2009 |   |
| 18   | 0516                 | 0553 | 2119 | 2157 | 0558 | 0631 | 2037 | 2109 | 0641 | 0711 | 1937 | 2007 |   |
| 19   | 0517                 | 0554 | 2118 | 2156 | 0559 | 0632 | 2035 | 2108 | 0642 | 0713 | 1935 | 2005 |   |
| 20   | 0518                 | 0555 | 2117 | 2154 | 0601 | 0634 | 2033 | 2106 | 0643 | 0714 | 1933 | 2003 |   |
| 21   | 0519                 | 0556 | 2116 | 2153 | 0602 | 0635 | 2031 | 2104 | 0645 | 0715 | 1931 | 2001 |   |
| 22   | 0520                 | 0558 | 2115 | 2152 | 0604 | 0636 | 2029 | 2102 | 0646 | 0717 | 1929 | 1959 |   |
| 23   | 0522                 | 0559 | 2114 | 2151 | 0605 | 0637 | 2028 | 2100 | 0647 | 0718 | 1927 | 1957 |   |
| 24   | 0523                 | 0600 | 2113 | 2150 | 0606 | 0639 | 2026 | 2058 | 0649 | 0719 | 1925 | 1955 |   |
| 25   | 0524                 | 0601 | 2112 | 2148 | 0608 | 0640 | 2024 | 2056 | 0650 | 0720 | 1923 | 1953 |   |
| 26   | 0526                 | 0602 | 2111 | 2147 | 0609 | 0641 | 2022 | 2054 | 0651 | 0722 | 1921 | 1951 |   |
| 27   | 0527                 | 0603 | 2110 | 2146 | 0611 | 0643 | 2020 | 2052 | 0653 | 0723 | 1919 | 1949 |   |
| 28   | 0528                 | 0604 | 2108 | 2144 | 0612 | 0644 | 2018 | 2050 | 0654 | 0724 | 1917 | 1947 |   |
| 29   | 0530                 | 0606 | 2107 | 2143 | 0613 | 0645 | 2016 | 2048 | 0655 | 0726 | 1915 | 1945 |   |
| 30   | 0531                 | 0607 | 2106 | 2141 | 0615 | 0647 | 2014 | 2046 | 0657 | 0727 | 1913 | 1943 |   |
| 31   | 0532                 | 0608 | 2105 | 2140 | 0616 | 0648 | 2013 | 2044 |      |      |      |      |   |

| 2023 | FIR SWITZERLAND (LT) |      |      |      |      |      |      |      |      |      |      |      |
|------|----------------------|------|------|------|------|------|------|------|------|------|------|------|
| Day  | OCT                  |      |      |      | NOV  |      |      |      | DEC  |      |      |      |
|      | 1                    | 2    | 3    | 4    | 1    | 2    | 3    | 4    | 1    | 2    | 3    | 4    |
| 1    | 0658                 | 0728 | 1911 | 1941 | 0640 | 0712 | 1715 | 1747 | 0720 | 0755 | 1643 | 1718 |
| 2    | 0659                 | 0730 | 1909 | 1939 | 0642 | 0714 | 1713 | 1745 | 0721 | 0756 | 1643 | 1718 |
| 3    | 0701                 | 0731 | 1907 | 1937 | 0643 | 0715 | 1712 | 1744 | 0722 | 0757 | 1643 | 1717 |
| 4    | 0702                 | 0732 | 1905 | 1935 | 0645 | 0717 | 1710 | 1742 | 0723 | 0758 | 1642 | 1717 |
| 5    | 0703                 | 0734 | 1903 | 1933 | 0646 | 0718 | 1709 | 1741 | 0724 | 0759 | 1642 | 1717 |
| 6    | 0705                 | 0735 | 1901 | 1931 | 0647 | 0720 | 1707 | 1740 | 0725 | 0800 | 1642 | 1717 |
| 7    | 0706                 | 0737 | 1859 | 1929 | 0649 | 0721 | 1706 | 1738 | 0726 | 0801 | 1642 | 1717 |
| 8    | 0707                 | 0738 | 1857 | 1927 | 0650 | 0723 | 1705 | 1737 | 0727 | 0802 | 1641 | 1716 |
| 9    | 0709                 | 0739 | 1855 | 1925 | 0652 | 0724 | 1703 | 1736 | 0728 | 0803 | 1641 | 1716 |
| 10   | 0710                 | 0741 | 1853 | 1924 | 0653 | 0726 | 1702 | 1735 | 0729 | 0804 | 1641 | 1716 |
| 11   | 0712                 | 0742 | 1851 | 1922 | 0654 | 0727 | 1701 | 1734 | 0730 | 0805 | 1641 | 1716 |
| 12   | 0713                 | 0743 | 1849 | 1920 | 0656 | 0728 | 1700 | 1732 | 0731 | 0806 | 1641 | 1717 |
| 13   | 0714                 | 0745 | 1848 | 1918 | 0657 | 0730 | 1659 | 1731 | 0732 | 0807 | 1641 | 1717 |
| 14   | 0716                 | 0746 | 1846 | 1916 | 0658 | 0731 | 1657 | 1730 | 0733 | 0808 | 1641 | 1717 |
| 15   | 0717                 | 0748 | 1844 | 1914 | 0700 | 0733 | 1656 | 1729 | 0733 | 0809 | 1642 | 1717 |
| 16   | 0718                 | 0749 | 1842 | 1913 | 0701 | 0734 | 1655 | 1728 | 0734 | 0810 | 1642 | 1717 |
| 17   | 0720                 | 0750 | 1840 | 1911 | 0702 | 0736 | 1654 | 1727 | 0735 | 0810 | 1642 | 1718 |
| 18   | 0721                 | 0752 | 1838 | 1909 | 0704 | 0737 | 1653 | 1726 | 0735 | 0811 | 1642 | 1718 |
| 19   | 0722                 | 0753 | 1836 | 1907 | 0705 | 0739 | 1652 | 1726 | 0736 | 0812 | 1643 | 1718 |
| 20   | 0724                 | 0755 | 1835 | 1906 | 0706 | 0740 | 1651 | 1725 | 0737 | 0812 | 1643 | 1719 |
| 21   | 0725                 | 0756 | 1833 | 1904 | 0708 | 0741 | 1650 | 1724 | 0737 | 0813 | 1644 | 1719 |
| 22   | 0727                 | 0758 | 1831 | 1902 | 0709 | 0743 | 1649 | 1723 | 0738 | 0813 | 1644 | 1720 |
| 23   | 0728                 | 0759 | 1829 | 1901 | 0710 | 0744 | 1649 | 1722 | 0738 | 0814 | 1645 | 1720 |
| 24   | 0729                 | 0801 | 1828 | 1859 | 0712 | 0746 | 1648 | 1722 | 0739 | 0814 | 1645 | 1721 |
| 25   | 0731                 | 0802 | 1826 | 1857 | 0713 | 0747 | 1647 | 1721 | 0739 | 0814 | 1646 | 1721 |
| 26   | 0732                 | 0803 | 1824 | 1856 | 0714 | 0748 | 1646 | 1720 | 0739 | 0815 | 1647 | 1722 |
| 27   | 0734                 | 0805 | 1823 | 1854 | 0715 | 0750 | 1646 | 1720 | 0740 | 0815 | 1647 | 1723 |
| 28   | 0735                 | 0806 | 1821 | 1853 | 0716 | 0751 | 1645 | 1719 | 0740 | 0815 | 1648 | 1723 |
| 29   | 0636                 | 0708 | 1720 | 1751 | 0718 | 0752 | 1644 | 1719 | 0740 | 0816 | 1649 | 1724 |
| 30   | 0638                 | 0709 | 1718 | 1750 | 0719 | 0753 | 1644 | 1718 | 0740 | 0816 | 1650 | 1725 |
| 31   | 0639                 | 0711 | 1716 | 1748 |      |      |      |      | 0741 | 0816 | 1650 | 1726 |