

**GEN 2.7 Sonnenauf- und Sonnenuntergang (UTC)  
 Sunrise/Sunset (UTC)**

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Die festgelegten Zeiten sind in UTC dargestellt und für die Bestimmung der Nacht für das gesamte Gebiet der Bundesrepublik Deutschland anzuwenden.</li> <li>2. Referenzpunkt für die Zeitbestimmung ist der ARP von Kassel-Calden (EDVK); 51°25'15"N 009°23'32"E.</li> <li>3. Die bürgerliche Dämmerung endet am Abend und beginnt am Morgen, wenn sich die Mitte der Sonnenscheibe 6° unter dem Horizont befindet.</li> <li>4. Nacht, Nachtflug und Nachtflugregeln gelten für die Stunden zwischen dem Ende der bürgerlichen Abenddämmerung (ECET) und dem Beginn der bürgerlichen Morgendämmerung (BCMT).</li> </ol> | <ol style="list-style-type: none"> <li>1. The stated times are expressed in UTC and are to be used to determine the night period throughout the entire territory of the Federal Republic of Germany.</li> <li>2. The reference point for the time calculation is the ARP of Kassel-Calden (EDVK); 51°25'15"N 009°23'32"E.</li> <li>3. Morning civil twilight begins and evening civil twilight ends when the centre of the sun is 6° below the horizon.</li> <li>4. Night, night flights and night flying rules apply to the period between the end of civil evening twilight (ECET) and the beginning of civil morning twilight (BCMT).</li> </ol> |
|---|---|

2018

|    | JAN  |      |      |      | FEB  |      |      |      | MAR  |      |      |      |    |
|----|------|------|------|------|------|------|------|------|------|------|------|------|----|
|    | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET |    |
| 1  | 0648 | 0728 | 1525 | 1604 | 0625 | 0701 | 1612 | 1648 | 0534 | 0608 | 1703 | 1736 | 1  |
| 2  | 0648 | 0728 | 1526 | 1605 | 0623 | 0659 | 1614 | 1650 | 0532 | 0606 | 1704 | 1738 | 2  |
| 3  | 0648 | 0727 | 1527 | 1606 | 0622 | 0658 | 1616 | 1652 | 0530 | 0604 | 1706 | 1740 | 3  |
| 4  | 0648 | 0727 | 1528 | 1608 | 0620 | 0656 | 1618 | 1653 | 0528 | 0601 | 1708 | 1741 | 4  |
| 5  | 0647 | 0727 | 1529 | 1609 | 0619 | 0654 | 1619 | 1655 | 0526 | 0559 | 1710 | 1743 | 5  |
| 6  | 0647 | 0727 | 1530 | 1610 | 0617 | 0653 | 1621 | 1657 | 0524 | 0557 | 1711 | 1745 | 6  |
| 7  | 0647 | 0726 | 1532 | 1611 | 0616 | 0651 | 1623 | 1658 | 0522 | 0555 | 1713 | 1746 | 7  |
| 8  | 0646 | 0726 | 1533 | 1612 | 0614 | 0649 | 1625 | 1700 | 0519 | 0553 | 1715 | 1748 | 8  |
| 9  | 0646 | 0725 | 1534 | 1613 | 0612 | 0647 | 1627 | 1702 | 0517 | 0550 | 1717 | 1750 | 9  |
| 10 | 0646 | 0725 | 1536 | 1615 | 0611 | 0646 | 1629 | 1704 | 0515 | 0548 | 1718 | 1752 | 10 |
| 11 | 0645 | 0724 | 1537 | 1616 | 0609 | 0644 | 1630 | 1705 | 0513 | 0546 | 1720 | 1753 | 11 |
| 12 | 0645 | 0723 | 1539 | 1617 | 0607 | 0642 | 1632 | 1707 | 0511 | 0544 | 1722 | 1755 | 12 |
| 13 | 0644 | 0723 | 1540 | 1619 | 0606 | 0640 | 1634 | 1709 | 0508 | 0541 | 1724 | 1757 | 13 |
| 14 | 0643 | 0722 | 1542 | 1620 | 0604 | 0638 | 1636 | 1710 | 0506 | 0539 | 1725 | 1758 | 14 |
| 15 | 0643 | 0721 | 1543 | 1622 | 0602 | 0636 | 1638 | 1712 | 0504 | 0537 | 1727 | 1800 | 15 |
| 16 | 0642 | 0720 | 1545 | 1623 | 0600 | 0634 | 1639 | 1714 | 0501 | 0535 | 1729 | 1802 | 16 |
| 17 | 0641 | 0719 | 1546 | 1624 | 0558 | 0633 | 1641 | 1716 | 0459 | 0532 | 1730 | 1803 | 17 |
| 18 | 0640 | 0718 | 1548 | 1626 | 0556 | 0631 | 1643 | 1717 | 0457 | 0530 | 1732 | 1805 | 18 |
| 19 | 0640 | 0717 | 1550 | 1627 | 0554 | 0629 | 1645 | 1719 | 0455 | 0528 | 1734 | 1807 | 19 |
| 20 | 0639 | 0716 | 1551 | 1629 | 0553 | 0627 | 1647 | 1721 | 0452 | 0526 | 1735 | 1809 | 20 |
| 21 | 0638 | 0715 | 1553 | 1630 | 0551 | 0625 | 1649 | 1722 | 0450 | 0523 | 1737 | 1810 | 21 |
| 22 | 0637 | 0714 | 1555 | 1632 | 0549 | 0623 | 1650 | 1724 | 0448 | 0521 | 1739 | 1812 | 22 |
| 23 | 0636 | 0713 | 1556 | 1634 | 0547 | 0620 | 1652 | 1726 | 0445 | 0519 | 1740 | 1814 | 23 |
| 24 | 0635 | 0712 | 1558 | 1635 | 0545 | 0618 | 1654 | 1728 | 0443 | 0516 | 1742 | 1815 | 24 |
| 25 | 0633 | 0711 | 1600 | 1637 | 0543 | 0616 | 1656 | 1729 | 0441 | 0514 | 1744 | 1817 | 25 |
| 26 | 0632 | 0709 | 1602 | 1638 | 0541 | 0614 | 1657 | 1731 | 0438 | 0512 | 1745 | 1819 | 26 |
| 27 | 0631 | 0708 | 1603 | 1640 | 0539 | 0612 | 1659 | 1733 | 0436 | 0510 | 1747 | 1821 | 27 |
| 28 | 0630 | 0707 | 1605 | 1642 | 0537 | 0610 | 1701 | 1734 | 0434 | 0507 | 1749 | 1822 | 28 |
| 29 | 0629 | 0705 | 1607 | 1643 |      |      |      |      | 0431 | 0505 | 1750 | 1824 | 29 |
| 30 | 0627 | 0704 | 1609 | 1645 |      |      |      |      | 0429 | 0503 | 1752 | 1826 | 30 |
| 31 | 0626 | 0702 | 1610 | 1647 |      |      |      |      | 0427 | 0500 | 1754 | 1828 | 31 |

2018

|    | APR  |      |      |      | MAY  |      |      |      | JUN  |      |      |      |    |
|----|------|------|------|------|------|------|------|------|------|------|------|------|----|
|    | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET |    |
| 1  | 0424 | 0458 | 1755 | 1829 | 0317 | 0355 | 1845 | 1923 | 0226 | 0311 | 1930 | 2015 | 1  |
| 2  | 0422 | 0456 | 1757 | 1831 | 0315 | 0353 | 1847 | 1925 | 0225 | 0311 | 1931 | 2016 | 2  |
| 3  | 0420 | 0454 | 1759 | 1833 | 0313 | 0351 | 1849 | 1927 | 0224 | 0310 | 1932 | 2017 | 3  |
| 4  | 0417 | 0451 | 1800 | 1835 | 0311 | 0349 | 1850 | 1929 | 0223 | 0309 | 1933 | 2019 | 4  |
| 5  | 0415 | 0449 | 1802 | 1836 | 0309 | 0347 | 1852 | 1931 | 0223 | 0309 | 1934 | 2020 | 5  |
| 6  | 0413 | 0447 | 1804 | 1838 | 0307 | 0346 | 1853 | 1933 | 0222 | 0308 | 1935 | 2021 | 6  |
| 7  | 0410 | 0445 | 1805 | 1840 | 0305 | 0344 | 1855 | 1934 | 0221 | 0308 | 1935 | 2022 | 7  |
| 8  | 0408 | 0442 | 1807 | 1842 | 0303 | 0342 | 1857 | 1936 | 0221 | 0307 | 1936 | 2023 | 8  |
| 9  | 0406 | 0440 | 1809 | 1843 | 0301 | 0341 | 1858 | 1938 | 0220 | 0307 | 1937 | 2024 | 9  |
| 10 | 0403 | 0438 | 1810 | 1845 | 0259 | 0339 | 1900 | 1940 | 0220 | 0306 | 1938 | 2025 | 10 |
| 11 | 0401 | 0436 | 1812 | 1847 | 0257 | 0337 | 1901 | 1942 | 0219 | 0306 | 1939 | 2025 | 11 |
| 12 | 0359 | 0434 | 1814 | 1849 | 0255 | 0336 | 1903 | 1943 | 0219 | 0306 | 1939 | 2026 | 12 |
| 13 | 0356 | 0432 | 1815 | 1851 | 0253 | 0334 | 1904 | 1945 | 0218 | 0305 | 1940 | 2027 | 13 |
| 14 | 0354 | 0429 | 1817 | 1852 | 0252 | 0333 | 1906 | 1947 | 0218 | 0305 | 1940 | 2028 | 14 |
| 15 | 0352 | 0427 | 1819 | 1854 | 0250 | 0331 | 1907 | 1949 | 0218 | 0305 | 1941 | 2029 | 15 |
| 16 | 0350 | 0425 | 1820 | 1856 | 0248 | 0330 | 1909 | 1950 | 0218 | 0305 | 1941 | 2029 | 16 |
| 17 | 0347 | 0423 | 1822 | 1858 | 0246 | 0328 | 1910 | 1952 | 0218 | 0305 | 1942 | 2030 | 17 |
| 18 | 0345 | 0421 | 1824 | 1900 | 0245 | 0327 | 1912 | 1954 | 0218 | 0305 | 1942 | 2030 | 18 |
| 19 | 0343 | 0419 | 1825 | 1901 | 0243 | 0325 | 1913 | 1956 | 0218 | 0305 | 1943 | 2030 | 19 |
| 20 | 0341 | 0417 | 1827 | 1903 | 0242 | 0324 | 1915 | 1957 | 0218 | 0305 | 1943 | 2030 | 20 |
| 21 | 0338 | 0415 | 1829 | 1905 | 0240 | 0323 | 1916 | 1959 | 0218 | 0305 | 1943 | 2031 | 21 |
| 22 | 0336 | 0412 | 1830 | 1907 | 0239 | 0322 | 1917 | 2000 | 0218 | 0306 | 1943 | 2031 | 22 |
| 23 | 0334 | 0410 | 1832 | 1909 | 0237 | 0320 | 1919 | 2002 | 0219 | 0306 | 1943 | 2031 | 23 |
| 24 | 0332 | 0408 | 1834 | 1911 | 0236 | 0319 | 1920 | 2004 | 0219 | 0306 | 1943 | 2031 | 24 |
| 25 | 0329 | 0406 | 1835 | 1912 | 0234 | 0318 | 1921 | 2005 | 0219 | 0307 | 1943 | 2031 | 25 |
| 26 | 0327 | 0404 | 1837 | 1914 | 0233 | 0317 | 1923 | 2007 | 0220 | 0307 | 1943 | 2031 | 26 |
| 27 | 0325 | 0402 | 1839 | 1916 | 0232 | 0316 | 1924 | 2008 | 0220 | 0308 | 1943 | 2031 | 27 |
| 28 | 0323 | 0400 | 1840 | 1918 | 0231 | 0315 | 1925 | 2010 | 0221 | 0308 | 1943 | 2030 | 28 |
| 29 | 0321 | 0359 | 1842 | 1920 | 0229 | 0314 | 1926 | 2011 | 0222 | 0309 | 1943 | 2030 | 29 |
| 30 | 0319 | 0357 | 1844 | 1922 | 0228 | 0313 | 1927 | 2012 | 0222 | 0309 | 1943 | 2030 | 30 |
| 31 |      |      |      |      | 0227 | 0312 | 1929 | 2014 |      |      |      |      | 31 |

2018

|    | JUL  |      |      |      | AUG  |      |      |      | SEP  |      |      |      |    |
|----|------|------|------|------|------|------|------|------|------|------|------|------|----|
|    | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET |    |
| 1  | 0223 | 0310 | 1942 | 2029 | 0306 | 0346 | 1911 | 1951 | 0400 | 0435 | 1809 | 1844 | 1  |
| 2  | 0224 | 0311 | 1942 | 2029 | 0308 | 0348 | 1909 | 1949 | 0402 | 0437 | 1807 | 1841 | 2  |
| 3  | 0225 | 0311 | 1942 | 2028 | 0309 | 0349 | 1907 | 1947 | 0404 | 0438 | 1805 | 1839 | 3  |
| 4  | 0226 | 0312 | 1941 | 2028 | 0311 | 0351 | 1906 | 1945 | 0405 | 0440 | 1802 | 1837 | 4  |
| 5  | 0227 | 0313 | 1941 | 2027 | 0313 | 0352 | 1904 | 1943 | 0407 | 0441 | 1800 | 1834 | 5  |
| 6  | 0228 | 0314 | 1940 | 2026 | 0315 | 0354 | 1902 | 1941 | 0409 | 0443 | 1758 | 1832 | 6  |
| 7  | 0229 | 0315 | 1940 | 2026 | 0316 | 0355 | 1900 | 1939 | 0410 | 0444 | 1756 | 1830 | 7  |
| 8  | 0230 | 0316 | 1939 | 2025 | 0318 | 0357 | 1858 | 1937 | 0412 | 0446 | 1753 | 1827 | 8  |
| 9  | 0231 | 0317 | 1938 | 2024 | 0320 | 0359 | 1857 | 1935 | 0414 | 0448 | 1751 | 1825 | 9  |
| 10 | 0232 | 0318 | 1938 | 2023 | 0322 | 0400 | 1855 | 1933 | 0415 | 0449 | 1749 | 1823 | 10 |
| 11 | 0234 | 0319 | 1937 | 2022 | 0323 | 0402 | 1853 | 1931 | 0417 | 0451 | 1747 | 1820 | 11 |
| 12 | 0235 | 0320 | 1936 | 2021 | 0325 | 0403 | 1851 | 1929 | 0419 | 0452 | 1744 | 1818 | 12 |
| 13 | 0236 | 0321 | 1935 | 2020 | 0327 | 0405 | 1849 | 1927 | 0420 | 0454 | 1742 | 1816 | 13 |
| 14 | 0237 | 0322 | 1934 | 2019 | 0329 | 0406 | 1847 | 1925 | 0422 | 0456 | 1740 | 1813 | 14 |
| 15 | 0239 | 0323 | 1933 | 2018 | 0331 | 0408 | 1845 | 1922 | 0424 | 0457 | 1737 | 1811 | 15 |
| 16 | 0240 | 0324 | 1932 | 2016 | 0332 | 0410 | 1843 | 1920 | 0425 | 0459 | 1735 | 1808 | 16 |
| 17 | 0242 | 0326 | 1931 | 2015 | 0334 | 0411 | 1841 | 1918 | 0427 | 0500 | 1733 | 1806 | 17 |
| 18 | 0243 | 0327 | 1930 | 2014 | 0336 | 0413 | 1839 | 1916 | 0428 | 0502 | 1730 | 1804 | 18 |
| 19 | 0245 | 0328 | 1929 | 2012 | 0338 | 0414 | 1837 | 1914 | 0430 | 0503 | 1728 | 1801 | 19 |
| 20 | 0246 | 0329 | 1928 | 2011 | 0339 | 0416 | 1835 | 1911 | 0432 | 0505 | 1726 | 1759 | 20 |
| 21 | 0248 | 0331 | 1926 | 2009 | 0341 | 0417 | 1833 | 1909 | 0433 | 0507 | 1723 | 1757 | 21 |
| 22 | 0249 | 0332 | 1925 | 2008 | 0343 | 0419 | 1831 | 1907 | 0435 | 0508 | 1721 | 1754 | 22 |
| 23 | 0251 | 0333 | 1924 | 2006 | 0345 | 0421 | 1829 | 1905 | 0437 | 0510 | 1719 | 1752 | 23 |
| 24 | 0252 | 0335 | 1923 | 2005 | 0346 | 0422 | 1827 | 1902 | 0438 | 0511 | 1717 | 1750 | 24 |
| 25 | 0254 | 0336 | 1921 | 2003 | 0348 | 0424 | 1824 | 1900 | 0440 | 0513 | 1714 | 1747 | 25 |
| 26 | 0256 | 0338 | 1920 | 2001 | 0350 | 0425 | 1822 | 1858 | 0442 | 0515 | 1712 | 1745 | 26 |
| 27 | 0257 | 0339 | 1918 | 2000 | 0352 | 0427 | 1820 | 1855 | 0443 | 0516 | 1710 | 1743 | 27 |
| 28 | 0259 | 0340 | 1917 | 1958 | 0353 | 0429 | 1818 | 1853 | 0445 | 0518 | 1707 | 1741 | 28 |
| 29 | 0301 | 0342 | 1915 | 1956 | 0355 | 0430 | 1816 | 1851 | 0446 | 0520 | 1705 | 1738 | 29 |
| 30 | 0302 | 0343 | 1914 | 1955 | 0357 | 0432 | 1814 | 1849 | 0448 | 0521 | 1703 | 1736 | 30 |
| 31 | 0304 | 0345 | 1912 | 1953 | 0358 | 0433 | 1811 | 1846 |      |      |      |      | 31 |

2018

|    | OCT  |      |      |      | NOV  |      |      |      | DEC  |      |      |      |    |
|----|------|------|------|------|------|------|------|------|------|------|------|------|----|
|    | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET | BCMT | SR   | SS   | ECET |    |
| 1  | 0450 | 0523 | 1701 | 1734 | 0540 | 0615 | 1556 | 1631 | 0626 | 0705 | 1517 | 1556 | 1  |
| 2  | 0451 | 0524 | 1658 | 1731 | 0542 | 0617 | 1554 | 1629 | 0627 | 0706 | 1517 | 1556 | 2  |
| 3  | 0453 | 0526 | 1656 | 1729 | 0544 | 0619 | 1552 | 1628 | 0629 | 0708 | 1516 | 1555 | 3  |
| 4  | 0455 | 0528 | 1654 | 1727 | 0545 | 0621 | 1551 | 1626 | 0630 | 0709 | 1516 | 1555 | 4  |
| 5  | 0456 | 0529 | 1652 | 1725 | 0547 | 0622 | 1549 | 1624 | 0631 | 0710 | 1515 | 1555 | 5  |
| 6  | 0458 | 0531 | 1649 | 1722 | 0549 | 0624 | 1547 | 1623 | 0632 | 0712 | 1515 | 1554 | 6  |
| 7  | 0459 | 0533 | 1647 | 1720 | 0550 | 0626 | 1546 | 1621 | 0633 | 0713 | 1515 | 1554 | 7  |
| 8  | 0501 | 0534 | 1645 | 1718 | 0552 | 0628 | 1544 | 1620 | 0634 | 0714 | 1514 | 1554 | 8  |
| 9  | 0503 | 0536 | 1643 | 1716 | 0553 | 0629 | 1542 | 1618 | 0635 | 0715 | 1514 | 1554 | 9  |
| 10 | 0504 | 0538 | 1640 | 1714 | 0555 | 0631 | 1541 | 1617 | 0636 | 0716 | 1514 | 1554 | 10 |
| 11 | 0506 | 0539 | 1638 | 1712 | 0557 | 0633 | 1539 | 1616 | 0637 | 0717 | 1514 | 1554 | 11 |
| 12 | 0508 | 0541 | 1636 | 1709 | 0558 | 0635 | 1538 | 1614 | 0638 | 0718 | 1514 | 1554 | 12 |
| 13 | 0509 | 0543 | 1634 | 1707 | 0600 | 0636 | 1536 | 1613 | 0639 | 0719 | 1514 | 1554 | 13 |
| 14 | 0511 | 0544 | 1632 | 1705 | 0601 | 0638 | 1535 | 1612 | 0640 | 0720 | 1514 | 1554 | 14 |
| 15 | 0512 | 0546 | 1630 | 1703 | 0603 | 0640 | 1534 | 1610 | 0641 | 0721 | 1514 | 1554 | 15 |
| 16 | 0514 | 0548 | 1627 | 1701 | 0605 | 0641 | 1532 | 1609 | 0642 | 0722 | 1514 | 1554 | 16 |
| 17 | 0516 | 0549 | 1625 | 1659 | 0606 | 0643 | 1531 | 1608 | 0642 | 0723 | 1514 | 1555 | 17 |
| 18 | 0517 | 0551 | 1623 | 1657 | 0608 | 0645 | 1530 | 1607 | 0643 | 0723 | 1515 | 1555 | 18 |
| 19 | 0519 | 0553 | 1621 | 1655 | 0609 | 0647 | 1528 | 1606 | 0644 | 0724 | 1515 | 1555 | 19 |
| 20 | 0521 | 0554 | 1619 | 1653 | 0611 | 0648 | 1527 | 1605 | 0644 | 0725 | 1515 | 1556 | 20 |
| 21 | 0522 | 0556 | 1617 | 1651 | 0612 | 0650 | 1526 | 1604 | 0645 | 0725 | 1516 | 1556 | 21 |
| 22 | 0524 | 0558 | 1615 | 1649 | 0614 | 0651 | 1525 | 1603 | 0645 | 0726 | 1516 | 1557 | 22 |
| 23 | 0526 | 0600 | 1613 | 1647 | 0615 | 0653 | 1524 | 1602 | 0646 | 0726 | 1517 | 1557 | 23 |
| 24 | 0527 | 0601 | 1611 | 1645 | 0617 | 0655 | 1523 | 1601 | 0646 | 0726 | 1518 | 1558 | 24 |
| 25 | 0529 | 0603 | 1609 | 1643 | 0618 | 0656 | 1522 | 1600 | 0647 | 0727 | 1518 | 1558 | 25 |
| 26 | 0530 | 0605 | 1607 | 1642 | 0619 | 0658 | 1521 | 1600 | 0647 | 0727 | 1519 | 1559 | 26 |
| 27 | 0532 | 0607 | 1605 | 1640 | 0621 | 0659 | 1520 | 1559 | 0647 | 0727 | 1520 | 1600 | 27 |
| 28 | 0534 | 0608 | 1603 | 1638 | 0622 | 0701 | 1520 | 1558 | 0647 | 0728 | 1521 | 1601 | 28 |
| 29 | 0535 | 0610 | 1601 | 1636 | 0624 | 0702 | 1519 | 1557 | 0648 | 0728 | 1522 | 1601 | 29 |
| 30 | 0537 | 0612 | 1600 | 1634 | 0625 | 0704 | 1518 | 1557 | 0648 | 0728 | 1522 | 1602 | 30 |
| 31 | 0539 | 0614 | 1558 | 1633 |      |      |      |      | 0648 | 0728 | 1523 | 1603 | 31 |