Sunrise and Sunset Definition

for

Midpeninsula Regional Open Space District

In addition to the Merriam-Webster's dictionary definitions* of sunrise and sunset, the Midpeninsula Regional Open Space District (Midpen) uses the US Naval Observatory (USNO) to determine sunrise and sunset times. The USNO, founded in 1830, is recognized as the world's foremost authority on spatial and temporal reference frames. It provides a wide range of astronomical data and products, serves as the official source of time for the U.S. Department of Defense, and a standard of time for the entire U.S. It establishes official sunrise and sunset times based on location (latitude and longitude). Midpen rangers are provided with a list of sunrise and sunset times from USNO for each calendar year to enforce after hour ordinances.

The official sunrise and sunset times for Midpen are determined by times provided by the USNO for the latitude and longitude of Midpen's headquarters office, located at 5050 El Camino Real, Los Altos, CA 94022. To compensate for the distance to the preserves from the headquarters office, rangers account for the <2-minute differential based on preserve location.** Rangers typically wait at least 15 minutes after closure to issue any citations.

Additional definitions:

Dawn/Civil Twilight: 30 minutes before official sunrise, as determined by the USNO.

Dusk/Civil Twilight: 30 minutes after official sunset, as determined by the USNO.

* ***Sunset****: the time when the upper limb of the sun disappears below the horizon as a result of the diurnal rotation of the earth,* https://www.merriam-webster.com/dictionary/sunset
Sunrise*: the time when the upper limb of the sun appears above the horizon as a result of the diurnal rotation of the earth,* https://www.merriam-webster.com/dictionary/sunrise

** *The difference between sunrise/sunsets based on location is approximately 1 minute per 17 miles. Midpen's geographical radius extends no more than 25 miles from the Los Altos headquarters office, so the differential within Midpen's preserves would be no more than 2 minutes for any location.*

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Location: W122 06, N37 24

MROSD
Rise and Set for the Sun for 2026

Zone: 8h West of Greenwich

Astronomical Applications Dept.
U. S. Naval Observatory
Washington, DC 20392-5420

	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
Day	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set	Rise	Set
	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
01	0723	1702	0711	1733	0639	1802	0554	1831	0513	1858	0449	1924	0451	1933	0513	1916	0539	1837	0604	1751	0633	1710	0704	1651
02	0723	1702	0711	1734	0638	1803	0552	1832	0512	1859	0449	1924	0452	1933	0514	1915	0540	1835	0605	1750	0634	1709	0705	1651
03	0723	1703	0710	1735	0637	1804	0551	1833	0511	1900	0449	1925	0452	1933	0515	1914	0541	1834	0606	1748	0635	1708	0706	1650
04	0723	1704	0709	1736	0635	1805	0549	1834	0510	1901	0448	1926	0453	1933	0515	1913	0542	1833	0607	1747	0636	1707	0707	1650
05	0723	1705	0708	1737	0634	1806	0548	1835	0509	1902	0448	1926	0453	1932	0516	1912	0542	1831	0608	1745	0638	1706	0708	1650
06	0723	1706	0707	1738	0632	1807	0546	1836	0508	1903	0448	1927	0454	1932	0517	1911	0543	1830	0608	1744	0639	1705	0709	1650
07	0723	1707	0706	1740	0631	1808	0545	1837	0507	1904	0448	1927	0455	1932	0518	1910	0544	1828	0609	1742	0640	1704	0710	1650
08	0723	1708	0705	1741	0629	1809	0543	1838	0506	1905	0447	1928	0455	1932	0519	1909	0545	1826	0610	1741	0641	1703	0710	1650
09	0723	1709	0704	1742	0628	1810	0542	1838	0505	1905	0447	1928	0456	1931	0520	1907	0546	1825	0611	1739	0642	1702	0711	1650
10	0723	1710	0703	1743	0627	1811	0540	1839	0504	1906	0447	1929	0456	1931	0521	1906	0546	1823	0612	1738	0643	1702	0712	1651
11	0723	1710	0702	1744	0625	1812	0539	1840	0503	1907	0447	1929	0457	1931	0521	1905	0547	1822	0613	1737	0644	1701	0713	1651
12	0722	1711	0701	1745	0624	1813	0538	1841	0502	1908	0447	1930	0458	1930	0522	1904	0548	1820	0614	1735	0645	1700	0713	1651
13	0722	1712	0700	1746	0622	1814	0536	1842	0501	1909	0447	1930	0458	1930	0523	1903	0549	1819	0615	1734	0646	1659	0714	1651
14	0722	1714	0658	1747	0621	1815	0535	1843	0500	1910	0447	1931	0459	1929	0524	1902	0550	1817	0616	1732	0647	1658	0715	1651
15	0722	1715	0657	1748	0619	1816	0533	1844	0459	1911	0447	1931	0500	1929	0525	1900	0551	1816	0617	1731	0648	1658	0716	1652
16	0721	1716	0656	1749	0618	1817	0532	1845	0458	1912	0447	1931	0500	1928	0526	1859	0551	1814	0618	1730	0649	1657	0716	1652
17	0721	1717	0655	1750	0616	1818	0531	1846	0458	1912	0447	1932	0501	1928	0526	1858	0552	1813	0619	1728	0650	1656	0717	1652
18	0720	1718	0654	1751	0615	1819	0529	1847	0457	1913	0447	1932	0502	1927	0527	1856	0553	1811	0619	1727	0651	1656	0717	1653
19	0720	1719	0652	1752	0613	1820	0528	1847	0456	1914	0448	1932	0503	1926	0528	1855	0554	1810	0620	1726	0652	1655	0718	1653
20	0720	1720	0651	1753	0612	1820	0527	1848	0455	1915	0448	1932	0503	1926	0529	1854	0555	1808	0621	1724	0653	1655	0719	1654
21	0719	1721	0650	1754	0610	1821	0525	1849	0455	1916	0448	1933	0504	1925	0530	1853	0556	1807	0622	1723	0654	1654	0719	1654
22	0718	1722	0649	1755	0609	1822	0524	1850	0454	1916	0448	1933	0505	1924	0531	1851	0556	1805	0623	1722	0655	1654	0720	1655
23	0718	1723	0647	1756	0607	1823	0523	1851	0454	1917	0448	1933	0506	1924	0532	1850	0557	1803	0624	1721	0656	1653	0720	1655
24	0717	1724	0646	1758	0606	1824	0522	1852	0453	1918	0449	1933	0506	1923	0532	1848	0558	1802	0625	1719	0657	1653	0720	1656
25	0717	1725	0645	1759	0604	1825	0520	1853	0452	1919	0449	1933	0507	1922	0533	1847	0559	1800	0626	1718	0658	1652	0721	1656
26	0716	1726	0643	1800	0603	1826	0519	1854	0452	1920	0449	1933	0508	1921	0534	1846	0600	1759	0627	1717	0659	1652	0721	1657
27	0715	1727	0642	1801	0601	1827	0518	1855	0451	1920	0450	1933	0509	1921	0535	1844	0601	1757	0628	1716	0700	1652	0722	1658
28	0715	1729	0641	1801	0600	1828	0517	1856	0451	1921	0450	1933	0510	1920	0536	1843	0601	1756	0629	1715	0701	1651	0722	1658
29	0714	1730			0558	1829	0515	1857	0450	1922	0451	1933	0510	1919	0537	1841	0602	1754	0630	1713	0702	1651	0722	1659
30	0713	1731			0557	1829	0514	1857	0450	1922	0451	1933	0511	1918	0537	1840	0603	1753	0631	1712	0703	1651	0722	1700
31	0712	1732			0555	1830			0450	1923			0512	1917	0538	1838			0632	1711			0723	1701

*Add one hour for daylight time, if and when in use.