

Location: E010 40, N62 15

ENTY
Civil Twilight for 2017

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

Zone: 1h East of Greenwich

Day	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.	
	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End	Begin	End
	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	0838	1605	0752	1711	0635	1825	0452	1952	0302	2130	////	////	////	////	0229	2215	0417	2015	0540	1832	0701	1700	0812	1601
02	0837	1606	0750	1713	0632	1828	0449	1955	0258	2134	////	////	////	////	0233	2210	0420	2012	0543	1829	0704	1657	0813	1600
03	0837	1607	0747	1716	0629	1831	0445	1958	0254	2138	////	////	////	////	0237	2206	0423	2008	0545	1826	0706	1655	0815	1559
04	0836	1609	0745	1718	0626	1834	0442	2001	0250	2141	////	////	////	////	0241	2202	0426	2005	0548	1822	0709	1652	0817	1558
05	0835	1611	0743	1721	0623	1836	0438	2004	0246	2145	////	////	////	////	0245	2158	0429	2001	0551	1819	0711	1650	0819	1557
06	0835	1612	0740	1724	0620	1839	0435	2007	0242	2149	////	////	////	////	0249	2154	0432	1958	0553	1816	0714	1647	0820	1556
07	0834	1614	0738	1726	0616	1842	0431	2010	0238	2153	////	////	////	////	0253	2150	0435	1954	0556	1813	0716	1645	0822	1555
08	0833	1616	0735	1729	0613	1845	0428	2013	0234	2157	////	////	////	////	0257	2146	0437	1950	0559	1810	0719	1642	0824	1555
09	0832	1618	0732	1732	0610	1847	0424	2016	0230	2201	////	////	////	////	0301	2142	0440	1947	0601	1806	0722	1640	0825	1554
10	0831	1619	0730	1734	0607	1850	0420	2019	0225	2205	////	////	////	////	0304	2138	0443	1943	0604	1803	0724	1638	0826	1554
11	0830	1621	0727	1737	0603	1853	0417	2022	0221	2210	////	////	////	////	0308	2134	0446	1940	0606	1800	0727	1635	0828	1553
12	0829	1623	0725	1740	0600	1855	0413	2025	0217	2214	////	////	////	////	0312	2130	0449	1936	0609	1757	0729	1633	0829	1553
13	0827	1625	0722	1742	0557	1858	0410	2028	0213	2218	////	////	////	////	0315	2126	0452	1933	0612	1754	0732	1631	0830	1553
14	0826	1628	0719	1745	0554	1901	0406	2032	0208	2223	////	////	0040	0006	0319	2122	0454	1929	0614	1751	0734	1629	0831	1553
15	0825	1630	0716	1748	0550	1904	0402	2035	0204	2227	////	////	0054	2343	0322	2119	0457	1926	0617	1748	0736	1627	0832	1553
16	0823	1632	0714	1750	0547	1906	0359	2038	0159	2232	////	////	0104	2336	0326	2115	0500	1923	0619	1745	0739	1625	0833	1553
17	0822	1634	0711	1753	0544	1909	0355	2041	0155	2237	////	////	0112	2329	0329	2111	0503	1919	0622	1742	0741	1623	0834	1553
18	0820	1636	0708	1756	0540	1912	0351	2045	0150	2242	////	////	0119	2322	0332	2107	0505	1916	0625	1739	0744	1621	0835	1553
19	0818	1639	0705	1758	0537	1915	0348	2048	0145	2247	////	////	0125	2316	0336	2103	0508	1912	0627	1736	0746	1619	0836	1553
20	0817	1641	0702	1801	0534	1918	0344	2051	0140	2252	////	////	0132	2311	0339	2100	0511	1909	0630	1733	0748	1617	0836	1554
21	0815	1643	0659	1804	0530	1920	0340	2055	0135	2257	////	////	0137	2305	0342	2056	0513	1905	0633	1730	0751	1615	0837	1554
22	0813	1646	0656	1807	0527	1923	0336	2058	0130	2303	////	////	0143	2300	0346	2052	0516	1902	0635	1727	0753	1613	0837	1555
23	0811	1648	0653	1809	0524	1926	0333	2101	0124	2309	////	////	0148	2255	0349	2048	0519	1859	0638	1724	0755	1612	0838	1555
24	0809	1650	0650	1812	0520	1929	0329	2105	0119	2315	////	////	0153	2250	0352	2045	0522	1855	0640	1721	0757	1610	0838	1556
25	0807	1653	0647	1815	0517	1932	0325	2108	0113	2322	////	////	0158	2246	0355	2041	0524	1852	0643	1719	0759	1609	0838	1557
26	0805	1655	0644	1817	0513	1935	0321	2112	0106	2330	////	////	0203	2241	0358	2037	0527	1849	0646	1716	0802	1607	0839	1557
27	0803	1658	0641	1820	0510	1937	0317	2115	0059	2339	////	////	0207	2236	0402	2034	0530	1845	0648	1713	0804	1606	0839	1558
28	0801	1700	0638	1823	0506	1940	0313	2119	0050	2350	////	////	0212	2232	0405	2030	0532	1842	0651	1710	0806	1604	0839	1559
29	0759	1703			0503	1943	0310	2123	0039		////	////	0216	2228	0408	2026	0535	1839	0653	1708	0808	1603	0839	1601
30	0757	1705			0459	1946	0306	2126	////	////	////	////	0221	2223	0411	2023	0538	1835	0656	1705	0810	1602	0838	1602
31	0754	1708			0456	1949			////	////			0225	2219	0414	2019			0659	1702			0838	1603

(//// Sun continuously above twilight limit)

(==== Sun continuously below twilight limit)

Important notice regarding daylight time:

Daylight time is not implemented in this program. When daylight time is in use, add one hour to the times listed in the table.