

Location: E010 40, N62 15

ENTY
Civil Twilight for 2012

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	1604	0754	1709	0635	1826	0452	1953	0301	2131	////	////	////	////	0230	2214	0417	2015	0541	1831	0702	1659	0812	1600	
02	0838	1605	0752	1711	0631	1829	0448	1955	0257	2135	////	////	////	////	0234	2210	0420	2011	0543	1828	0704	1657	0814	1559	
03	0837	1606	0749	1714	0628	1832	0445	1958	0253	2138	////	////	////	////	0238	2205	0423	2007	0546	1825	0707	1654	0816	1558	
04	0837	1608	0747	1716	0625	1834	0441	2001	0249	2142	////	////	////	////	0242	2201	0426	2004	0549	1822	0709	1651	0817	1557	
05	0836	1609	0745	1719	0622	1837	0438	2004	0245	2146	////	////	////	////	0246	2157	0429	2000	0551	1818	0712	1649	0819	1557	
06	0835	1611	0742	1722	0619	1840	0434	2007	0241	2150	////	////	////	////	0250	2153	0432	1957	0554	1815	0714	1647	0821	1556	
07	0835	1613	0740	1724	0616	1842	0430	2010	0237	2154	////	////	////	////	0254	2149	0435	1953	0557	1812	0717	1644	0822	1555	
08	0834	1614	0737	1727	0612	1845	0427	2013	0233	2158	////	////	////	////	0258	2145	0438	1950	0559	1809	0720	1642	0824	1555	
09	0833	1616	0735	1730	0609	1848	0423	2017	0229	2202	////	////	////	////	0301	2141	0441	1946	0602	1806	0722	1639	0825	1554	
10	0832	1618	0732	1732	0606	1851	0420	2020	0224	2206	////	////	////	////	0305	2137	0444	1943	0604	1803	0725	1637	0827	1554	
11	0831	1620	0729	1735	0603	1853	0416	2023	0220	2211	////	////	////	////	0309	2133	0447	1939	0607	1800	0727	1635	0828	1553	
12	0829	1622	0727	1738	0600	1856	0412	2026	0216	2215	////	////	////	////	0312	2129	0449	1936	0610	1756	0730	1633	0829	1553	
13	0828	1624	0724	1740	0556	1859	0409	2029	0212	2219	////	////	////	////	0316	2126	0452	1932	0612	1753	0732	1630	0830	1553	
14	0827	1626	0721	1743	0553	1902	0405	2032	0207	2224	////	////	0044	0003	0319	2122	0455	1929	0615	1750	0735	1628	0832	1553	
15	0826	1628	0718	1746	0550	1904	0401	2035	0203	2228	////	////	0056	2342	0323	2118	0458	1925	0617	1747	0737	1626	0833	1553	
16	0824	1630	0716	1748	0546	1907	0358	2039	0158	2233	////	////	0106	2334	0326	2114	0500	1922	0620	1744	0739	1624	0834	1553	
17	0823	1632	0713	1751	0543	1910	0354	2042	0154	2238	////	////	0113	2327	0330	2110	0503	1918	0623	1741	0742	1622	0834	1553	
18	0821	1635	0710	1754	0540	1913	0350	2045	0149	2243	////	////	0120	2321	0333	2106	0506	1915	0625	1738	0744	1620	0835	1553	
19	0820	1637	0707	1756	0536	1915	0347	2049	0144	2248	////	////	0127	2315	0337	2103	0509	1911	0628	1735	0747	1618	0836	1553	
20	0818	1639	0704	1759	0533	1918	0343	2052	0139	2253	////	////	0133	2310	0340	2059	0511	1908	0630	1732	0749	1617	0837	1554	
21	0816	1641	0702	1802	0530	1921	0339	2055	0134	2259	////	////	0138	2304	0343	2055	0514	1905	0633	1729	0751	1615	0837	1554	
22	0814	1644	0659	1804	0526	1924	0335	2059	0129	2304	////	////	0144	2259	0346	2051	0517	1901	0636	1727	0753	1613	0838	1555	
23	0813	1646	0656	1807	0523	1927	0332	2102	0123	2310	////	////	0149	2254	0350	2048	0519	1858	0638	1724	0756	1611	0838	1555	
24	0811	1649	0653	1810	0519	1929	0328	2106	0117	2317	////	////	0154	2249	0353	2044	0522	1855	0641	1721	0758	1610	0838	1556	
25	0809	1651	0650	1813	0516	1932	0324	2109	0111	2324	////	////	0159	2245	0356	2040	0525	1851	0644	1718	0800	1608	0839	1557	
26	0807	1653	0647	1815	0512	1935	0320	2113	0104	2332	////	////	0204	2240	0359	2037	0527	1848	0646	1715	0802	1607	0839	1558	
27	0805	1656	0644	1818	0509	1938	0316	2116	0057	2341	////	////	0208	2235	0402	2033	0530	1845	0649	1712	0804	1605	0839	1559	
28	0803	1658	0641	1821	0506	1941	0313	2120	0048	2353	////	////	0213	2231	0405	2029	0533	1841	0651	1710	0806	1604	0839	1600	
29	0801	1701	0638	1823	0502	1944	0309	2123	0036	////	////	////	////	0217	2227	0408	2026	0535	1838	0654	1707	0808	1603	0839	1601
30	0758	1703	////	////	0459	1947	0305	2127	////	////	////	////	////	0222	2222	0411	2022	0538	1835	0656	1704	0810	1602	0838	1602
31	0756	1706	////	////	0455	1950	////	////	////	////	////	////	////	0226	2218	0414	2018	////	////	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.