

Location: E010<sup>0</sup> 40', N62<sup>0</sup> 15'

ENTY  
Civil Twilight for 2018  
Zone: 1h East of Greenwich

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

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	0753	1710	0636	1825	0453	1951	0303	2129	////	////	////	////	0228	2216	0416	2016	0540	1833	0700	1700	0811	1601
02	0837	1606	0750	1713	0633	1828	0450	1954	0259	2133	////	////	////	////	0232	2211	0419	2013	0542	1830	0703	1658	0813	1600
03	0837	1607	0748	1715	0630	1830	0446	1957	0255	2137	////	////	////	////	0236	2207	0422	2009	0545	1826	0706	1655	0815	1559
04	0836	1609	0746	1718	0627	1833	0443	2000	0251	2140	////	////	////	////	0240	2203	0425	2006	0547	1823	0708	1653	0817	1558
05	0836	1610	0743	1720	0623	1836	0439	2003	0247	2144	////	////	////	////	0244	2159	0428	2002	0550	1820	0711	1650	0818	1557
06	0835	1612	0741	1723	0620	1838	0436	2006	0243	2148	////	////	////	////	0248	2155	0431	1958	0553	1817	0713	1648	0820	1556
07	0834	1614	0738	1726	0617	1841	0432	2009	0239	2152	////	////	////	////	0252	2151	0434	1955	0555	1814	0716	1645	0822	1555
08	0833	1615	0736	1728	0614	1844	0428	2012	0235	2156	////	////	////	////	0256	2147	0437	1951	0558	1810	0718	1643	0823	1555
09	0832	1617	0733	1731	0611	1847	0425	2015	0231	2200	////	////	////	////	0300	2143	0440	1948	0601	1807	0721	1640	0825	1554
10	0831	1619	0730	1734	0607	1849	0421	2018	0226	2204	////	////	////	////	0303	2139	0442	1944	0603	1804	0723	1638	0826	1554
11	0830	1621	0728	1736	0604	1852	0418	2021	0222	2209	////	////	////	////	0307	2135	0445	1941	0606	1801	0726	1636	0827	1553
12	0829	1623	0725	1739	0601	1855	0414	2024	0218	2213	////	////	////	////	0311	2131	0448	1937	0608	1758	0728	1634	0829	1553
13	0828	1625	0722	1742	0558	1858	0410	2028	0214	2217	////	////	////	////	0314	2127	0451	1934	0611	1755	0731	1631	0830	1553
14	0826	1627	0720	1744	0554	1900	0407	2031	0209	2222	////	////	0035	0012	0318	2123	0454	1930	0614	1752	0733	1629	0831	1553
15	0825	1629	0717	1747	0551	1903	0403	2034	0205	2226	////	////	0051	2345	0321	2120	0456	1927	0616	1749	0736	1627	0832	1553
16	0823	1631	0714	1750	0548	1906	0359	2037	0200	2231	////	////	0102	2337	0325	2116	0459	1923	0619	1746	0738	1625	0833	1553
17	0822	1634	0711	1752	0545	1909	0356	2040	0156	2236	////	////	0110	2330	0328	2112	0502	1920	0621	1743	0741	1623	0834	1553
18	0820	1636	0709	1755	0541	1911	0352	2044	0151	2241	////	////	0117	2324	0332	2108	0505	1916	0624	1740	0743	1621	0835	1553
19	0819	1638	0706	1758	0538	1914	0348	2047	0146	2246	////	////	0124	2318	0335	2104	0507	1913	0627	1737	0745	1619	0836	1553
20	0817	1640	0703	1801	0535	1917	0345	2050	0141	2251	////	////	0130	2312	0338	2101	0510	1910	0629	1734	0748	1617	0836	1553
21	0815	1643	0700	1803	0531	1920	0341	2054	0136	2256	////	////	0136	2307	0342	2057	0513	1906	0632	1731	0750	1616	0837	1554
22	0813	1645	0657	1806	0528	1922	0337	2057	0131	2302	////	////	0141	2301	0345	2053	0516	1903	0634	1728	0752	1614	0837	1554
23	0812	1647	0654	1809	0524	1925	0333	2101	0126	2308	////	////	0147	2256	0348	2049	0518	1859	0637	1725	0755	1612	0838	1555
24	0810	1650	0651	1811	0521	1928	0330	2104	0120	2314	////	////	0152	2252	0351	2046	0521	1856	0640	1722	0757	1611	0838	1556
25	0808	1652	0648	1814	0518	1931	0326	2107	0114	2321	////	////	0157	2247	0355	2042	0524	1853	0642	1719	0759	1609	0838	1556
26	0806	1655	0645	1817	0514	1934	0322	2111	0108	2328	////	////	0202	2242	0358	2038	0526	1849	0645	1717	0801	1607	0839	1557
27	0804	1657	0642	1819	0511	1937	0318	2114	0100	2336	////	////	0206	2238	0401	2035	0529	1846	0648	1714	0803	1606	0839	1558
28	0802	1700	0639	1822	0507	1940	0314	2118	0052	2347	////	////	0211	2233	0404	2031	0532	1843	0650	1711	0805	1605	0839	1559
29	0759	1702			0504	1942	0310	2122	0042		////	////	0215	2229	0407	2027	0534	1839	0653	1708	0807	1603	0839	1600
30	0757	1705			0500	1945	0307	2125	0025	0004	////	////	0220	2224	0410	2024	0537	1836	0655	1706	0809	1602	0838	1601
31	0755	1707			0457	1948			////	////			0224	2220	0413	2020			0658	1703			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.