

Location: KDAA

Lat: 38.43 N Long: 77.11 W

Time from UTC: -5

Date	Sun		C Twi		N Twi		A Twi		Moon		Moon
	R	S	B	E	B	E	B	E	R	S	Illum
20250201	0714	1731	0645	1759	0614	1830	0543	1902	0907	2122	9.3%
20250202	0713	1733	0645	1800	0613	1832	0542	1903	0933	2233	17.1%
20250203	0712	1734	0644	1801	0612	1833	0542	1904	0959	2347	26.7%
20250204	0711	1735	0643	1802	0611	1834	0541	1905	1027	----	37.4%
20250205	0710	1736	0642	1803	0610	1835	0540	1906	1101	0101	48.8%
20250206	0709	1737	0641	1804	0610	1836	0539	1907	1142	0214	60%
20250207	0708	1738	0640	1805	0609	1837	0538	1908	1231	0326	70.6%
20250208	0707	1739	0639	1807	0608	1838	0537	1909	1330	0431	80%
20250209	0706	1741	0638	1808	0607	1839	0536	1910	1435	0527	87.9%
20250210	0704	1742	0637	1809	0606	1840	0535	1911	1544	0611	93.9%
20250211	0703	1743	0636	1810	0605	1841	0534	1912	1652	0648	97.9%
20250212	0702	1744	0635	1811	0604	1842	0533	1913	1757	0718	99.8%
20250213	0701	1745	0634	1812	0603	1843	0532	1914	1900	0743	99.6%
20250214	0700	1746	0632	1813	0602	1844	0531	1915	2001	0804	97.4%
20250215	0659	1747	0631	1814	0601	1845	0530	1916	2100	0825	93.4%
20250216	0657	1748	0630	1815	0559	1846	0529	1917	2159	0845	87.9%
20250217	0656	1749	0629	1816	0558	1847	0528	1918	2259	0907	81.1%
20250218	0655	1750	0628	1817	0557	1848	0527	1919	2359	0931	73.3%
20250219	0654	1751	0626	1818	0556	1849	0525	1920	----	0957	64.5%
20250220	0652	1753	0625	1819	0555	1850	0524	1921	0102	1030	55.2%
20250221	0651	1754	0624	1820	0554	1851	0523	1922	0204	1110	45.6%
20250222	0650	1755	0623	1821	0552	1852	0522	1923	0305	1159	35.9%
20250223	0648	1756	0621	1822	0551	1853	0520	1924	0401	1257	26.5%
20250224	0647	1757	0620	1823	0550	1854	0519	1925	0451	1404	17.8%
20250225	0645	1758	0619	1824	0548	1855	0518	1926	0533	1517	10.3%
20250226	0644	1759	0617	1825	0547	1856	0516	1927	0609	1631	4.5%
20250227	0643	1800	0616	1826	0546	1857	0515	1928	0639	1747	1%
20250228	0641	1801	0615	1827	0544	1858	0514	1929	0707	1901	0.1%

Key

.... means sun or moon below horizon all day or twilight never begins

**** means sun or moon above horizon all day or twilight never ends

---- in rise column means no rise that day and in set column - no set that day

R - Rise

S - Set

B - Beginning

E - Ending

C Twi - Civil Twilight: Sun is 6 deg below the horizon

N Twi - Nautical Twilight: Sun is 12 deg below the horizon

A Twi - Astonomical Twilight: Sun is 18 deg below the horizon
Moon Illumination is valid 00:01L for that day.