

Location: KDAA

Lat: 38.43 N Long: 77.11 W

Time from UTC: -5

Date	Sun		C Twi		N Twi		A Twi		Moon		Moon Illum
	R	S	B	E	B	E	B	E	R	S	
20250301	0640	1802	0613	1828	0543	1859	0512	1930	0733	2016	2%
20250302	0638	1803	0612	1829	0542	1900	0511	1931	0800	2131	6.8%
20250303	0637	1804	0610	1830	0540	1901	0509	1932	0828	2247	14%
20250304	0635	1805	0609	1831	0539	1902	0508	1933	0901	----	23.2%
20250305	0634	1806	0608	1832	0537	1903	0507	1934	0940	0004	33.7%
20250306	0633	1807	0606	1833	0536	1904	0505	1935	1027	0118	44.8%
20250307	0631	1808	0605	1834	0535	1905	0504	1936	1124	0226	55.9%
20250308	0630	1809	0603	1835	0533	1906	0502	1937	1226	0324	66.5%

Time from UTC: -4

20250309	0729	1910	0702	1937	0631	2007	0600	2038	1434	0511	75.7%
20250310	0727	1911	0700	1938	0630	2008	0559	2039	1541	0550	84%
20250311	0726	1912	0659	1939	0628	2009	0557	2040	1647	0620	90.8%
20250312	0724	1913	0657	1940	0626	2010	0556	2041	1750	0646	95.7%
20250313	0722	1914	0656	1941	0625	2011	0554	2042	1851	0709	98.8%
20250314	0721	1915	0654	1942	0623	2012	0553	2043	1950	0730	100%
20250315	0719	1916	0653	1943	0622	2013	0551	2044	2049	0750	99.3%
20250316	0718	1917	0651	1944	0620	2014	0550	2045	2149	0811	96.8%
20250317	0716	1918	0650	1945	0619	2015	0548	2046	2249	0833	92.7%
20250318	0715	1919	0648	1945	0617	2016	0546	2047	2351	0859	87%
20250319	0713	1920	0647	1946	0616	2017	0545	2048	----	0929	80.1%
20250320	0712	1921	0645	1947	0614	2018	0543	2049	0053	1005	72%
20250321	0710	1922	0643	1948	0612	2019	0541	2051	0154	1049	63%
20250322	0708	1923	0642	1949	0611	2020	0540	2052	0251	1143	53.3%
20250323	0707	1924	0640	1950	0609	2021	0538	2053	0342	1244	43.3%
20250324	0705	1925	0639	1951	0608	2022	0536	2054	0426	1353	33.2%
20250325	0704	1926	0637	1952	0606	2023	0535	2055	0504	1505	23.4%
20250326	0702	1927	0635	1953	0604	2024	0533	2056	0536	1619	14.7%
20250327	0701	1928	0634	1954	0603	2025	0531	2057	0604	1734	7.5%
20250328	0659	1929	0632	1955	0601	2026	0530	2058	0631	1849	2.4%
20250329	0658	1930	0631	1956	0600	2027	0528	2059	0658	2005	0.1%
20250330	0656	1930	0629	1957	0558	2028	0526	2101	0726	2124	0.8%
20250331	0654	1931	0628	1958	0556	2029	0524	2102	0758	2243	4.5%

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.