

Location: KDAA

Lat: 38.43 N Long: 77.11 W

Time from UTC: -4

Date	Sun		C Twi		N Twi		A Twi		Moon		Moon
	R	S	B	E	B	E	B	E	R	S	Illum
20250401	0653	1932	0626	1959	0555	2030	0523	2103	0835	----	10.9%
20250402	0651	1933	0624	2000	0553	2031	0521	2104	0921	0002	19.4%
20250403	0650	1934	0623	2001	0552	2032	0519	2105	1015	0115	29.4%
20250404	0648	1935	0621	2002	0550	2033	0517	2106	1118	0218	40.1%
20250405	0647	1936	0620	2003	0548	2034	0516	2108	1225	0310	51%
20250406	0645	1937	0618	2004	0547	2036	0514	2109	1334	0351	61.4%
20250407	0644	1938	0617	2005	0545	2037	0512	2110	1439	0424	71.2%
20250408	0642	1939	0615	2006	0544	2038	0510	2111	1543	0451	79.8%
20250409	0641	1940	0614	2007	0542	2039	0509	2113	1644	0515	87.1%
20250410	0639	1941	0612	2008	0540	2040	0507	2114	1743	0536	92.8%
20250411	0638	1942	0611	2009	0539	2041	0505	2115	1842	0556	97%
20250412	0636	1943	0609	2010	0537	2042	0503	2116	1941	0616	99.3%
20250413	0635	1944	0608	2011	0536	2043	0501	2118	2040	0638	99.9%
20250414	0633	1945	0606	2012	0534	2044	0500	2119	2142	0702	98.7%
20250415	0632	1946	0605	2013	0532	2045	0458	2120	2244	0731	95.8%
20250416	0630	1946	0603	2014	0531	2047	0456	2121	2345	0805	91.2%
20250417	0629	1947	0602	2015	0529	2048	0454	2123	----	0846	85.1%
20250418	0628	1948	0600	2016	0528	2049	0453	2124	0043	0936	77.7%
20250419	0626	1949	0559	2017	0526	2050	0451	2125	0136	1033	69%
20250420	0625	1950	0558	2018	0524	2051	0449	2127	0221	1138	59.4%
20250421	0624	1951	0556	2019	0523	2052	0447	2128	0301	1246	49.2%
20250422	0622	1952	0555	2020	0521	2053	0446	2129	0334	1357	38.6%
20250423	0621	1953	0553	2021	0520	2055	0444	2131	0403	1509	28.1%
20250424	0620	1954	0552	2022	0518	2056	0442	2132	0429	1621	18.5%
20250425	0618	1955	0551	2023	0517	2057	0441	2133	0455	1736	10.2%
20250426	0617	1956	0549	2024	0515	2058	0439	2135	0522	1853	4.1%
20250427	0616	1957	0548	2025	0514	2059	0437	2136	0552	2013	0.7%
20250428	0615	1958	0547	2026	0512	2100	0436	2137	0627	2134	0.3%
20250429	0613	1959	0545	2027	0511	2102	0434	2139	0710	2253	3%
20250430	0612	2000	0544	2028	0510	2103	0432	2140	0802	----	8.5%

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.