

Location: KDAA

Lat: 38.43 N Long: 77.11 W

Time from UTC: -4

Date	Sun R S	C Twi B E	N Twi B E	A Twi B E	Moon R S	Moon Illum
20250601	0546 2027	0515 2058	0436 2137	0353 2221	1123 0055	30.4%
20250602	0546 2027	0515 2059	0436 2138	0352 2222	1227 0122	40.3%
20250603	0546 2028	0514 2059	0435 2139	0351 2223	1329 0145	50.3%
20250604	0545 2029	0514 2100	0435 2140	0351 2223	1428 0206	60%
20250605	0545 2029	0514 2101	0434 2140	0350 2224	1527 0226	69.1%
20250606	0545 2030	0514 2101	0434 2141	0350 2225	1625 0247	77.5%
20250607	0545 2030	0513 2102	0433 2142	0349 2226	1726 0310	84.8%
20250608	0545 2031	0513 2103	0433 2142	0349 2227	1827 0336	90.9%
20250609	0544 2031	0513 2103	0433 2143	0348 2228	1930 0407	95.5%
20250610	0544 2032	0513 2104	0433 2144	0348 2228	2030 0444	98.6%
20250611	0544 2032	0513 2104	0433 2144	0348 2229	2127 0529	99.8%
20250612	0544 2033	0513 2105	0432 2145	0348 2230	2217 0622	99.1%
20250613	0544 2033	0512 2105	0432 2145	0347 2230	2300 0723	96.5%
20250614	0544 2034	0512 2106	0432 2146	0347 2231	2336 0829	91.9%
20250615	0544 2034	0512 2106	0432 2146	0347 2231	---- 0937	85.5%
20250616	0544 2034	0513 2106	0432 2146	0347 2232	0006 1045	77.4%
20250617	0544 2035	0513 2107	0432 2147	0347 2232	0033 1154	67.8%
20250618	0545 2035	0513 2107	0432 2147	0347 2232	0058 1302	57.3%
20250619	0545 2035	0513 2107	0433 2147	0347 2233	0123 1412	46.1%
20250620	0545 2035	0513 2108	0433 2148	0347 2233	0148 1525	34.9%
20250621	0545 2036	0513 2108	0433 2148	0348 2233	0217 1640	24.2%
20250622	0545 2036	0513 2108	0433 2148	0348 2233	0251 1759	14.9%
20250623	0546 2036	0514 2108	0433 2148	0348 2233	0333 1916	7.5%
20250624	0546 2036	0514 2108	0434 2148	0349 2233	0425 2026	2.5%
20250625	0546 2036	0514 2108	0434 2148	0349 2233	0529 2126	0.3%
20250626	0547 2036	0515 2108	0434 2148	0349 2233	0640 2214	0.9%
20250627	0547 2036	0515 2108	0435 2148	0350 2233	0753 2251	4.1%
20250628	0547 2036	0516 2108	0435 2148	0350 2233	0905 2321	9.6%
20250629	0548 2036	0516 2108	0436 2148	0351 2233	1012 2347	16.8%
20250630	0548 2036	0517 2108	0436 2148	0352 2233	1116 ----	25.2%

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.