

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _W	A _Z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
LISTOPAD 2025									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	14 51	20 33	1 09	81	75	22 35 46	- 9 49.9	31.7	0.74
2	15 05	21 21	2 31	91	86	23 25 21	- 3 22.8	32.3	0.83
3	15 20	22 11	3 55	102	97	0 15 58	3 27.1	32.7	0.91
4	15 38	23 05	5 23	113	108	1 08 51	10 18.1	33.1	0.96
5	16 00	—	6 56	123	119	2 05 12	16 43.0	33.4	0.99
6	16 31	0 04	8 31	131	129	3 05 48	22 10.1	33.5	-1.00
7	17 16	1 08	10 01	136	135	4 10 28	26 07.1	33.4	-0.97
8	18 17	2 14	11 17	137	137	5 17 40	28 09.2	33.1	-0.91
9	19 34	3 19	12 13	134	135	6 24 36	28 07.0	32.7	-0.83
10	20 57	4 21	12 51	128	130	7 28 27	26 09.8	32.2	-0.74
11	22 20	5 17	13 18	119	122	8 27 27	22 40.1	31.7	-0.63
12	23 38	6 08	13 37	110	114	9 21 18	18 04.1	31.2	-0.53
13	—	6 54	13 51	—	105	10 10 40	12 45.9	30.8	-0.42
14	0 53	7 36	14 04	101	96	10 56 42	7 04.4	30.4	-0.32
15	2 04	8 17	14 15	91	86	11 40 36	1 14.5	30.1	-0.23
16	3 14	8 57	14 27	82	77	12 23 33	- 4 32.0	29.8	-0.16
17	4 23	9 37	14 40	72	69	13 06 38	-10 04.5	29.6	-0.09
18	5 34	10 19	14 55	64	61	13 50 46	-15 12.7	29.5	-0.05
19	6 45	11 04	15 14	56	54	14 36 44	-19 45.5	29.4	-0.02
20	7 56	11 51	15 39	50	48	15 25 01	-23 31.3	29.4	-0.00
21	9 04	12 40	16 13	45	44	16 15 45	-26 18.1	29.4	0.01
22	10 05	13 32	16 58	42	42	17 08 32	-27 55.4	29.5	0.03
23	10 55	14 24	17 56	43	44	18 02 32	-28 15.3	29.6	0.07
24	11 33	15 15	19 03	46	48	18 56 38	-27 15.0	29.8	0.12
25	12 02	16 05	20 17	52	54	19 49 45	-24 56.7	30.0	0.19
26	12 24	16 53	21 33	59	62	20 41 14	-21 27.1	30.3	0.28
27	12 41	17 39	22 50	67	71	21 30 59	-16 55.7	30.6	0.37
28	12 56	18 25	—	77	—	22 19 22	-11 33.2	31.1	0.47
29	13 09	19 10	0 08	87	81	23 07 12	- 5 31.3	31.5	0.58
30	13 23	19 57	1 27	97	92	23 55 33	0 56.6	32.0	0.68

pełnia:	5 XI	13 ^h 19 ^m	2 XI	11.0 ^h	Saturn	4°S
ostatnia kwadra:	12 XI	5 ^h 28 ^m	2 XI	17.2 ^h	Neptun	3°S
nów:	20 XI	6 ^h 47 ^m	6 XI	17.2 ^h	Uran	5°S
pierwsza kwadra:	23 XI	6 ^h 59 ^m	10 XI	8.0 ^h	Jowisz	4°S
			19 XI	8.7 ^h	Wenus	6°N
perygeum:	5 XI	22 ^h 30 ^m	20 XI	9.5 ^h	Merkury	6°N
apogeum:	20 XI	2 ^h 48 ^m	21 XI	12.6 ^h	Mars	5°N
			29 XI	16.7 ^h	Saturn	3°S
			30 XI	0.0 ^h	Neptun	3°S