

KSIEŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
LIPIEC 2025									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	10 53	17 12	23 15	93	88	11 20 18	4 27.6	30.3	0.33
2	12 03	17 51	23 26	83	79	12 03 37	- 1 23.0	30.0	0.42
3	13 12	18 31	23 38	74	70	12 46 19	- 7 04.2	29.7	0.52
4	14 22	19 13	23 53	65	62	13 29 29	-12 26.5	29.6	0.61
5	15 34	19 57	—	57	—	14 14 08	-17 20.5	29.5	0.70
6	16 46	20 44	0 11	50	55	15 01 05	-21 35.6	29.6	0.79
7	17 56	21 34	0 35	45	49	15 50 55	-24 59.8	29.7	0.86
8	19 00	22 27	1 08	42	44	16 43 45	-27 19.8	29.9	0.92
9	19 54	23 22	1 53	43	42	17 39 03	-28 23.1	30.1	0.96
10	20 35	—	2 52	46	43	18 35 42	-28 00.6	30.3	0.99
11	21 06	0 16	4 03	52	47	19 32 15	-26 09.6	30.6	-1.00
12	21 29	1 09	5 22	59	54	20 27 24	-22 54.8	30.9	-0.98
13	21 46	2 00	6 43	68	63	21 20 28	-18 27.1	31.2	-0.95
14	22 01	2 48	8 04	78	73	22 11 23	-13 01.6	31.4	-0.89
15	22 15	3 35	9 24	88	83	23 00 42	- 6 55.0	31.7	-0.82
16	22 28	4 21	10 44	99	94	23 49 20	- 0 24.8	31.9	-0.72
17	22 44	5 08	12 07	109	105	0 38 28	6 11.1	32.1	-0.62
18	23 02	5 57	13 31	119	115	1 29 20	12 33.5	32.3	-0.50
19	23 26	6 50	14 59	127	125	2 23 08	18 21.2	32.4	-0.39
20	—	7 47	16 26	—	132	3 20 42	23 10.5	32.5	-0.28
21	0 01	8 48	17 47	134	137	4 22 08	26 36.8	32.5	-0.18
22	0 50	9 51	18 53	137	137	5 26 21	28 19.5	32.4	-0.10
23	1 56	10 54	19 41	137	134	6 31 07	28 07.9	32.2	-0.04
24	3 15	11 54	20 14	132	128	7 33 52	26 05.9	32.0	-0.01
25	4 39	12 48	20 38	125	119	8 32 43	22 31.0	31.7	0.00
26	6 02	13 38	20 55	116	110	9 26 59	17 47.1	31.3	0.02
27	7 20	14 23	21 09	106	101	10 16 59	12 19.0	30.9	0.06
28	8 35	15 06	21 21	97	92	11 03 38	6 27.8	30.6	0.11
29	9 46	15 46	21 32	87	82	11 48 03	0 30.2	30.2	0.19
30	10 57	16 27	21 44	77	74	12 31 22	- 5 20.6	29.9	0.27
31	12 07	17 08	21 58	68	65	13 14 42	-10 53.8	29.7	0.36

pierwsza kwadra:	2 VII	19 ^h 30 ^m		16 VII 10.2 ^h	Neptun	3°S
pełnia:	10 VII	20 ^h 37 ^m		16 VII 10.5 ^h	Saturn	4°S
ostatnia kwadra:	18 VII	0 ^h 38 ^m		20 VII 13.1 ^h	Uran	5°S
nów:	24 VII	19 ^h 11 ^m		21 VII 19.5 ^h	Wenus	7°S
				23 VII 4.4 ^h	Jowisz	5°S
apogeum:	5 VII	2 ^h 28 ^m		25 VII 11.2 ^h	Merkury	8°S
peryeum:	20 VII	13 ^h 55 ^m		28 VII 19.8 ^h	Mars	1°N