

KSIĘŻYC

d	Wsch.	Kulm.	Zach.	A _w	A _z	α	δ	D	F
	λ=0°		φ=50°			0 ^h UT			
SIERPIEŃ 2025									
	h m	h m	h m	-°	+°	h m s	° ' "	' "	
1	13 18	17 51	22 14	60	57	13 59 01	-15 59.9	29.6	0.45
2	14 30	18 36	22 35	53	51	14 45 15	-20 28.8	29.6	0.55
3	15 41	19 25	23 04	47	45	15 34 02	-24 09.7	29.6	0.64
4	16 48	20 17	23 44	43	42	16 25 44	-26 50.4	29.8	0.73
5	17 46	21 11	—	42	—	17 20 07	-28 18.6	30.0	0.81
6	18 32	22 06	0 37	44	42	18 16 22	-28 23.9	30.3	0.88
7	19 07	23 00	1 44	49	45	19 13 13	-27 00.4	30.6	0.94
8	19 32	23 53	3 02	56	51	20 09 20	-24 09.2	31.0	0.98
9	19 52	—	4 24	65	59	21 03 46	-19 58.3	31.3	1.00
10	20 08	0 43	5 46	75	69	21 56 10	-14 41.4	31.7	-0.99
11	20 22	1 31	7 09	85	79	22 46 51	- 8 35.7	31.9	-0.97
12	20 36	2 18	8 31	96	90	23 36 33	- 2 00.4	32.1	-0.91
13	20 50	3 06	9 54	106	102	0 26 18	4 44.2	32.3	-0.84
14	21 08	3 55	11 19	116	112	1 17 16	11 17.3	32.3	-0.75
15	21 30	4 46	12 46	125	122	2 10 34	17 16.8	32.4	-0.64
16	22 00	5 41	14 13	132	130	3 07 03	22 20.1	32.3	-0.53
17	22 43	6 41	15 36	137	136	4 06 56	26 04.6	32.2	-0.41
18	23 42	7 42	16 45	138	138	5 09 30	28 11.2	32.1	-0.30
19	—	8 44	17 38	—	136	6 12 58	28 28.8	32.0	-0.20
20	0 55	9 44	18 15	134	130	7 15 07	26 58.2	31.8	-0.12
21	2 17	10 39	18 41	128	123	8 14 05	23 52.1	31.5	-0.06
22	3 40	11 30	19 00	120	114	9 08 58	19 30.8	31.2	-0.02
23	4 59	12 16	19 15	111	105	9 59 48	14 16.9	30.9	-0.00
24	6 15	13 00	19 28	101	96	10 47 18	8 31.5	30.6	0.01
25	7 28	13 41	19 39	91	86	11 32 25	2 32.7	30.3	0.03
26	8 40	14 22	19 51	81	77	12 16 12	- 3 24.7	30.1	0.08
27	9 50	15 03	20 03	72	68	12 59 41	- 9 08.3	29.8	0.14
28	11 02	15 45	20 18	63	60	13 43 50	-14 27.0	29.7	0.21
29	12 13	16 30	20 37	55	53	14 29 29	-19 10.7	29.6	0.29
30	13 25	17 17	21 02	49	47	15 17 20	-23 08.6	29.5	0.38
31	14 34	18 07	21 37	44	43	16 07 48	-26 09.7	29.6	0.48

pierwsza kwadra:	1 VIII	12 ^h 41 ^m		12 VIII	15.3 ^h	Saturn	4°S
pełnia:	9 VIII	7 ^h 55 ^m		12 VIII	15.6 ^h	Neptun	3°S
ostatnia kwadra:	16 VIII	5 ^h 12 ^m		16 VIII	20.1 ^h	Uran	5°S
nów:	23 VIII	6 ^h 06 ^m		19 VIII	21.1 ^h	Jowisz	5°S
pierwsza kwadra:	31 VIII	6 ^h 25 ^m		20 VIII	10.9 ^h	Wenus	5°S
				21 VIII	16.3 ^h	Merkury	4°S
apogeum:	1 VIII	20 ^h 39 ^m		26 VIII	16.8 ^h	Mars	3°N
perygeum:	14 VIII	18 ^h 05 ^m					
apogeum:	29 VIII	15 ^h 36 ^m					